

# SIEMENS

## FUJI-Reader

**SP**

## Service Manual

### Troubleshooting

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# **CR-IR347/CR-IR347P**

## **Service Manual**

### **Troubleshooting (MT)**

# CR-IR347 Service Manual – Contents

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# Control Sheet

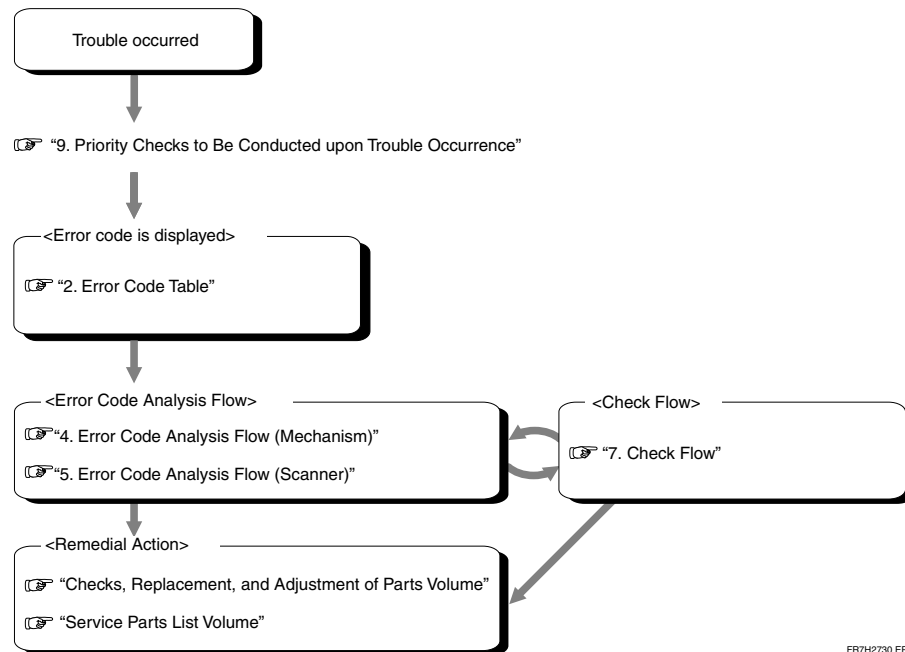
Issue date	Revision number	Reason	Pages affected
10/10/2000	00	New release (FM2732)	All pages
05/15/2001	01	Corrections (FM3052)	MT - 12–47, 53, 54, 63, 64, 64.1, 64.2, 68, 102, 103, 105, 106
08/30/2001	02	Support for “plus” (support for software version A04) (FM3142)	MT - 29, 32, 33, 36, 43, 46, 52, 57, 59-62, 62.1-62.2, 67, 122
08/30/2002	03	Error Code List, Analysis Flow, and other information added (FM3476)	All pages

# 1. Overview of Troubleshooting

## 1.1 Flow of Troubleshooting

### ■ Overall Flow

When a trouble occurs, refer to the Troubleshooting Volume along the flow shown below to take remedial action, such as parts replacement, as needed.



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### ■ How to Use the Analysis Flow

(1) Check the error code.

☞ "1.2 How to Understand Error Log"

(2) Refer to the Error Code Table.

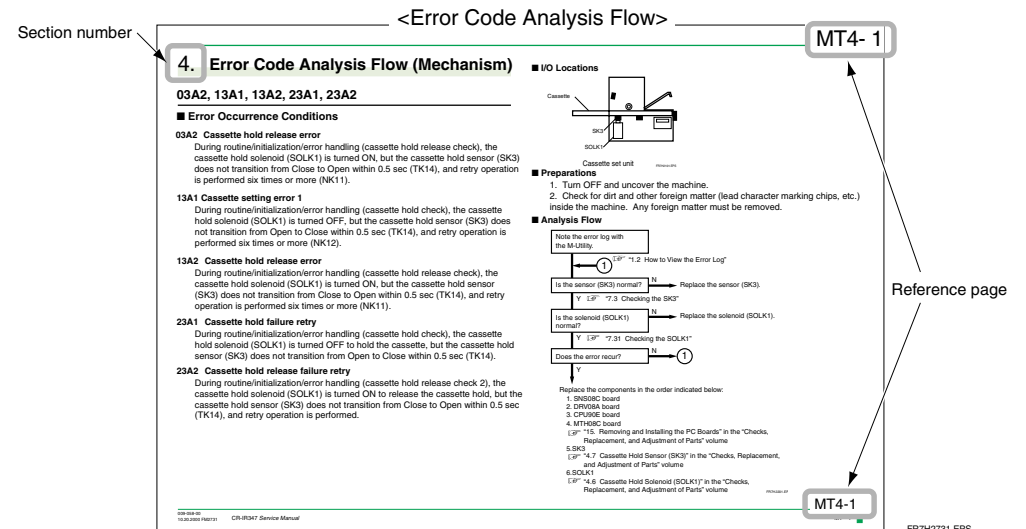
If any reference page is found in the "Error Code Analysis Flow" column of the Error Code Table, proceed to its relevant error code analysis flow.

Reference page or reference section number

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail Code
				MT4-12 7.1	

Annotations for the table:

- Error code**: Points to the 'Code' column.
- Error name**: Points to the 'Name' column.
- Summary of the error**: Points to the 'Significance/Occurrence Condition' column.
- Presumable cause of error and remedy**: Points to the 'Probable Cause/Remedy' column.
- Reference destination, such as analysis flow, check flow, etc.**: Points to the 'Analysis flow' column.

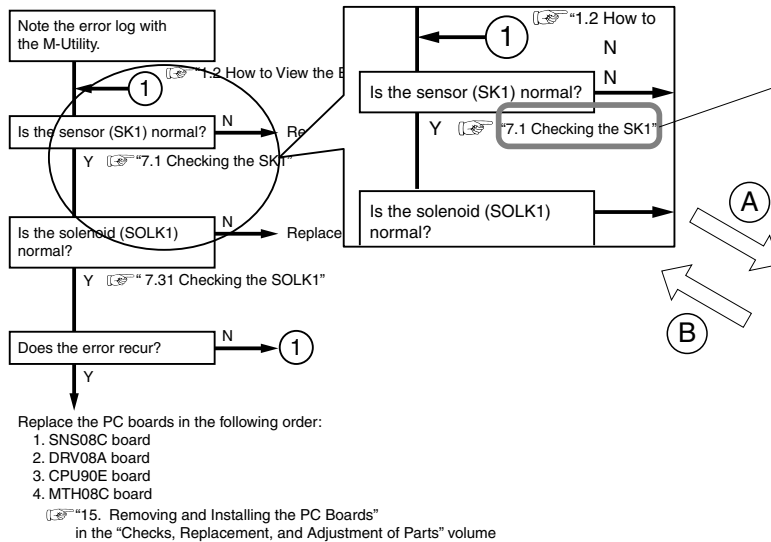


(3) Troubleshoot according to the analysis flow.

◆ **NOTE** ◆

When troubleshooting, refer to the Check Flow that describes the checking procedures for troubleshooting individual I/O parts, as well as "Check, Replacement, and Adjustment of Parts" volume.

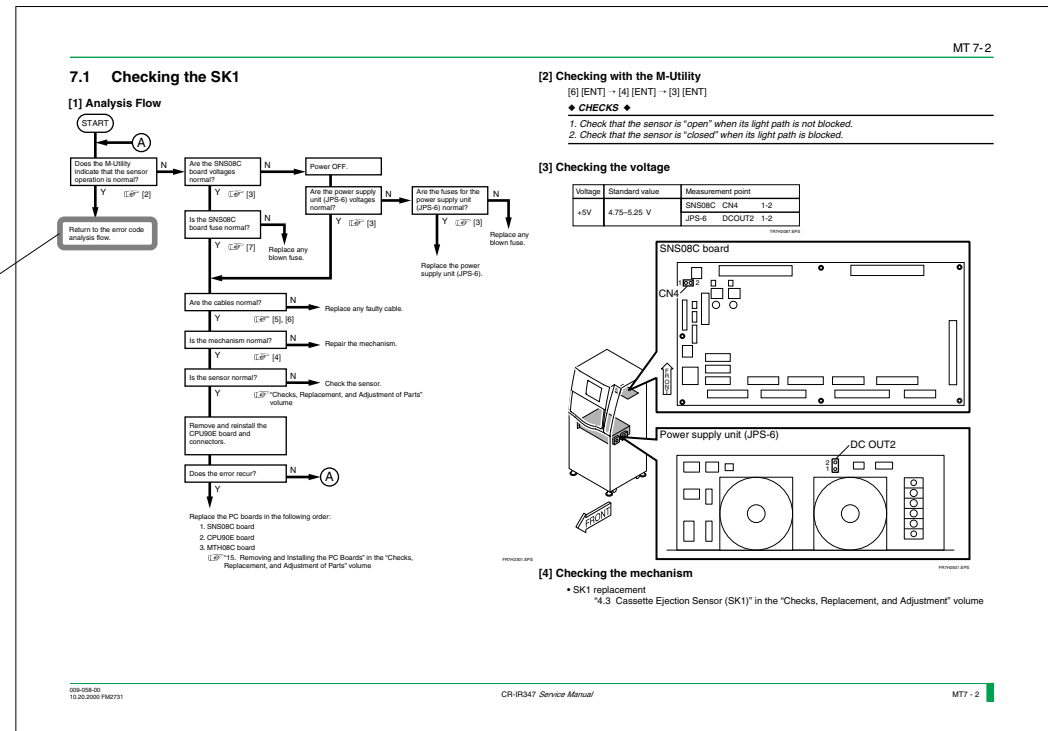
<Error Code Analysis Flow>



Return to the Error Analysis Flow section number page or indicated page.

A Proceed to the section number page.

<Check Flow>



## 1.2 How to Understand Error Log

When an error code is displayed, check the error log.

### ■ How to Understand the Error Log List

When multiple errors occurred, the error at the beginning that occurred at the same time (with a margin of about 2-4 minutes) is the most likely cause that is directly responsible for the trouble.

Check the error log to see which is the error at the beginning.

#### ● Error log format

Error code	Occurrence date
CODE	DATE
03EF	2000.10.18 17:13
	001000000000000001-0-0-011-0000101101.-----
	--.1.0.0.9.0.0.0.0000.0000.0000
23EB	2000.10.18 17:13
	111000000000000001-0-0-011-0000101101.-----
	--.1.0.0.9.0.0.0.0000.0000.0000
	.
	.
	.

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#### ● How to identify the error code at the beginning

In the error log example shown below, those denoted by “A” and “B” are errors that occurred at the same time (with a margin of about 2 minutes), the error at the beginning for “A” is “23EB”.

Error codes displayed on the screen

	CODE	DATE	
A	03EF	2000.10.18 17:13	← Error code that occurred last
		001000000000000001-0-0-011-0000101101.-----	
		--.1.0.0.9.0.0.0.0000.0000.0000	
	23EB	2000.10.18 17:13	
A		111000000000000001-0-0-011-0000101101.-----	← Error code that occurred third
		--.1.0.0.9.0.0.0.0000.0000.0000	
	23EB	2000.10.18 17:13	
		111000000000000001-0-0-011-0000101101.-----	
A		--.1.0.0.9.0.0.0.0000.0000.0000	← Error code that occurred second
	23EB	2000.10.18 17:13	
		111000000000000001-0-0-011-0000101101.-----	
		--.1.0.0.9.8.8.8.0000.0000.0000	
B		--.1.0.0.9.8.8.8.0000.0000.0000	← Error code at the beginning: It should be analyzed first.
	23E1	2000.10.18 16:55	
		111000000000000001-0-0-011-0000101101.-----	
		--.1.0.0.0.0.0.0.0000.0000.0000	
B	13A8	2000.10.18 16:55	
		111100000000000001-0-0-011-0000101101.-----	
		--.1.0.0.6.3.1.0.0000.0000.0000	
	03C2	2000.10.18 16:24	
B		111000000000000001-0-0-011-0000101101.000001	
		40.1.5.0.A.0.0.1.0000.0000.0000	
	13B8	2000.10.18 16:07	
		001000000000000001-0-0-011-1000101111.-----	
B		--.1.5.0.0.0.0.0.0000.0000.0000	

0.END 1.NEXT 2.BEFORE (DEFAULT=1) :

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## ● Error code

An example of error code format is presented below.

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
03BC	Side-positioning HP operation error	<p>[During initialization/normal processing] Although the MN1 turned ON, the SN1 failed to close, allowing the maximum retry count (NN51) to be exceeded.</p> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>• MN1; Side-positioning motor</li> <li>• SN1; Side-positioning mechanism home position sensor</li> </ul> <p>&lt;Reference&gt; <u>MD-8.2.8/8.5.2</u></p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03BC (<u>MT-4</u>).</li> <li>• Check the MN1 (<u>MT-7.2/MU-4.6/SP-07</u>).</li> <li>• Check the SN1 (<u>MT-7.10/MU-4.6/MC-8.4</u>).</li> <li>• Check the side-positioning conveyor mechanism (<u>MD-5.4/MC-8</u>).</li> <li>• Check the DRV08A board (<u>MT-7.41/MC-15.11</u>).</li> <li>• Check the SNS08C board (<u>MT-7.41/MC-15.11</u>).</li> </ul>	MT4-13	D-5

Indicates the reference volume abbreviation and section number.

Indicates the reference volume abbreviation and section number.

Hexadecimal notation

The checks to be performed are listed in random order. Judge the target machine condition and change the order of checks as needed to begin by checking on the most probable error cause.

See "Section 2.3, Format of Detail Information".

Indicates the reference page for "Analysis Flow" in this volume.

00-FF: Reference number according to error classification

0-9, A-F: Error classification

0-3: Error level

X: Error level

- FATAL error: 0  
Error where the normal processing cannot be resumed. It is necessary to troubleshoot and take remedial action immediately.
- WARNING: 1, 2, 3  
Errors where the processing may be resumed by performing retry operation, etc.  
This category includes an error that is merely logged as history information and an error where the processing is resumed but its error code is displayed on screen.

ZZ: Reference number

Managed according to the error classification

Y: Error classification

- 0: OS (operating system software), CPU, library
- 1: Overall control, information gathering function, output destination control function
- 2: Panel control
- 3: Conveyor-related control
- 4: Image processing related (reading)
- 5: Scanner control
- 6: Undefined
- 7: IDT interface control

- 8: Printer interface control
- 9: Undefined
- A: ID information setup function
- B: Network output image processing
- C: FINP control
- D: DICOM control
- E: Undefined
- F: Other (software install, version update, etc.)

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## 2. Error Codes List

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0100	Board insertion position error	<i>[During initialization]</i> The board insertion slot position was found to be abnormal when it was checked.	<ul style="list-style-type: none"> <li>• Check the board insertion location (MC-15).</li> <li>• Check for improper board setup (MC-15).</li> <li>• Check the board (MT-7.41).</li> </ul>	-	A-8
0101	ID information control system initialization error	<i>[During initialization/normal processing]</i> The ID information control system (IMM) was found to be abnormal.	<ul style="list-style-type: none"> <li>• Check for an improper software update (MU-A1.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	F
0102	Common data control system initialization error	<i>[During initialization]</i> An error was detected in the common data control system (CDM).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	F
0110	Image control system initialization error	<i>[During initialization/normal processing]</i> An error was detected in the image control system (IDM).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	F

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0111	HD image display area initialization error	<i>[During initialization/normal processing]</i> An error was detected in the HD image display area.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	F
0112	No effective option	<i>[During initialization/normal processing]</i> An error was detected when shared memory allocation was attempted for option configuration.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	F
0113	Not enough common memory	<i>[During initialization]</i> It was detected that the capacity of the common memory is insufficient.	<ul style="list-style-type: none"> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> </ul>	-	E-5
0120	File open error	<i>[During initialization]</i> An error was detected when an attempt was made to open a configuration file (NETMASKS).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0121	File read error	<i>[During initialization]</i> An error was detected when an attempt was made to read a configuration file (NETMASKS).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1
0122	File close error	<i>[During initialization]</i> An error was detected when an attempt was made to close a configuration file (NETMASKS).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1
0123	File format error	<i>[During initialization]</i> An error was found in the format of a configuration file (NETMASKS).	<ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	A-1
0130	File open error	<i>[During initialization]</i> An error was detected when an attempt was made to open a configuration file (HOSTS ADDRESS).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0131	File read error	<i>[During initialization]</i> An error was detected when an attempt was made to read a configuration file (HOSTS ADDRESS).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1
0132	File close error	<i>[During initialization]</i> An error was detected when an attempt was made to close a configuration file (HOSTS ADDRESS).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1
0133	File format error	<i>[During initialization]</i> An error was found in the format of a configuration file (HOSTS ADDRESS).	<ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	A-1
0134	File setting value error	<i>[During initialization]</i> An error was found in the settings contained in a configuration file (HOSTS ADDRESS).	<ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	A-1
0140	Boot line-related error	<i>[During initialization]</i> An error was detected in the backup memory data.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	F

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0141	Routing information-related error	<i>[During initialization]</i> An error was found in the settings contained in a configuration file (ROUTING/HOSTS ADDRESS).	<ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	F
01A0	ID information read error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to read ID information.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	D
01A1	ID information update error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to update ID information.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	D
01A2	Image data close error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to close an image data file.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	D

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
01A3	EQUIP file format error	<i>[During initialization]</i> An error was found in the format contained in a configuration file (EQUIPMENT).	<ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	D
0200	Image data close error	<i>[During U-Utility mode]</i> An error was detected when an attempt was made to delete an image queued for processing.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	-
0301	File open error	<i>[During initialization]</i> An error was detected when an attempt was made to open a subsystem (IPH) file on the HDD.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	D-1
0302	File format error	<i>[During initialization]</i> An error was found in the data format of a subsystem (IPH) file on the HDD.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	D-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0303	File setting value error	<i>[During initialization]</i> An error was found in the setting data contained in a subsystem (IPH) file on the HDD.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	D-1
0304	File read error	<i>[During initialization]</i> An error was detected when an attempt was made to read a subsystem (IPH) file on the HDD.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	D-1
0311	FPMC device error	<i>[During initialization]</i> An error was detected when an attempt was made to initialize the FPMC device for the CPU memory (CPU90E board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	D-3
0312	Motor stop time-out	<i>[During initialization/normal processing]</i> Although a pulse motor drive request or stop request was issued, a timeout occurred because the target pulse motor could not be driven or stopped.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	-	D-3
0322	SNS device error	<i>[During initialization]</i> An error was detected when an attempt was made to initialize the SNS device.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	D-3

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
03A2	Cassette hold release error	<p><i>[During initialization/normal processing/M-Utility mode/abnormality processing]</i> Although the SOLK1 turned ON, the SK3 failed to open, allowing the maximum retry count (NK11) to be exceeded.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• SOLK1; Cassette hold solenoid</li> <li>• SK3; Cassette hold sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.6.2</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03A2 (MT-4).</li> <li>• Check the SOLK1 (MT-7.31/MU-4.6/MC-4.6).</li> <li>• Check the SK3 (MT-7.3/MU-4.6/MC-4.7).</li> <li>• Check the cassette set unit mechanism (MD-5.1/MC-4).</li> <li>• Check the cassette.</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-1	D-5
03A8	Nonstandard initialization IP size	<p><i>[During initialization]</i> When the IP size was checked, the CLOSE time combination of the SM1 did not agree with the IP size data stored in the machine.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• SM1; Before-BCR IP sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.4 (IP identification condition table)</p>	<ul style="list-style-type: none"> <li>• Check the IP and cassette.</li> <li>• Check the MM1 (MT-7.20/MU-4.6/MC-6.14).</li> <li>• Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>• Check the SM1 (MT-7.9/MU-4.6/SP-05).</li> <li>• Check the cassette set unit mechanism (MD-5.1/MC-4).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	-	D-5
03B0	IP feed/load conveyor remaining IP discharge impossible	<p><i>[During initialization]</i> When the machine was searched for IPs, the remaining IP process could not be performed for one of the following reasons:</p> <ul style="list-style-type: none"> <li>• Cassette detection was not achievable.</li> <li>• The CMOS information was abnormal.</li> </ul> <p>&lt;Reference&gt; MD-8.5.8</p>	<ul style="list-style-type: none"> <li>• Check the SK1 (MT-7.1/MU-4.6/MC-4.3).</li> <li>• Check the SK2 (MT-7.2/MU-4.6/MC-4.9).</li> <li>• Clear the backup memory and then perform a reset (IN-17).</li> <li>• Check the cassette.</li> <li>• Check the cassette set unit mechanism (MD-5.1/MC-4).</li> </ul>	-	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
03B1	IP feed conveyance error	<p><i>[During initialization/normal processing]</i> Although the MN3/MM1/ML2 was turned ON, the SM1 did not close and a timeout occurred.</p> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>• MN3/MM1/ML2; IP transport motor</li> <li>• SM1; Before-BCR IP sensor</li> </ul> <p>&lt;Reference&gt; MD-8.2.3</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03B1 (MT-4).</li> <li>• Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>• Check the MM1 (MT-7.20/MU-4.6/MC-6.14).</li> <li>• Check the ML2 (MT-7.19/MU-4.6/MC-5.22).</li> <li>• Check the SM1 (MT-7.9/MU-4.6/SP-05).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the fuse (F11) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-8	D-5
03B2	IP load conveyance error	<p><i>[During initialization/normal processing]</i> Although the ML2/MM1/MN3 turned ON, a timeout occurred because the SK2 failed to close.</p> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>• ML2/MM1/MN3; IP transport motor</li> <li>• SK2; Cassette IN sensor</li> </ul> <p>&lt;Reference&gt; MD-8.2.16/8.2.17/8.4.1</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03B2 (MT-4).</li> <li>• Check the ML2 (MT-7.19/MU-4.6/MC-5.22).</li> <li>• Check the MM1 (MT-7.20/MU-4.6/MC-6.14).</li> <li>• Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>• Check the SK2 (MT-7.2/MU-4.6/MC-4.9).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-9	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
03B3	Side-positioning conveyor entrance conveyance error	<p>[During initialization/normal processing] Although the MN3 turned ON, the SN3 did not close after the SM1 closing. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MN3; IP transport motor</li> <li>• SM1; Before-BCR IP sensor</li> <li>• SN3; Side-positioning IP sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.6</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03B3 (MT-4).</li> <li>• Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>• Check the SN3 (MT-7.12/MU-4.6/MC-8.8).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-10	D-5
03B4	Restored IP load low-speed conveyance error	<p>[During normal processing/abnormality processing] Although the MN3/MM1/ML2 turned ON, the SL2 did not open.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MN3/MM1/ML2; IP transport motor</li> <li>• SL2; Cassette inlet IP sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.3.1</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03B4 (MT-4).</li> <li>• Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>• Check the MM1 (MT-7.20/MU-4.6/MC-6.14).</li> <li>• Check the ML2 (MT-7.19/MU-4.6/MC-5.22).</li> <li>• Check the SL2 (MT-7.6/MU-4.6/SP-04).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-11	D-5
03B5	Restored IP load high-speed conveyance error	<p>[During normal processing/abnormality processing] Although the MN3/MM1/ML2 turned ON, the SL2 did not close.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MN3/MM1/ML2; IP transport motor</li> <li>• SL2; Cassette inlet IP sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.3.1</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03B5 (MT-4).</li> <li>• Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>• Check the MM1 (MT-7.20/MU-4.6/MC-6.14).</li> <li>• Check the ML2 (MT-7.19/MU-4.6/MC-5.22).</li> <li>• Check the SL2 (MT-7.6/MU-4.6/SP-04).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-11	D-5



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
03B6	IP feed/load conveyor remaining IP discharge error	<p>[During initialization]</p> <ul style="list-style-type: none"> <li>Although the ML2/MM1/MN3 turned ON, the SL2 did not open.</li> <li>Although the ML2/MM1/MN3 turned ON, the SM1 did not open.</li> <li>Although the ML2 turned ON, the SL2 did not open.</li> <li>An error was found in the CMOS information.</li> </ul> <p>&lt;/O name&gt;</p> <ul style="list-style-type: none"> <li>ML2/MM1/MN3; IP transport motor</li> <li>SL2; Cassette inlet IP sensor</li> <li>SM1; Before-BCR IP sensor</li> </ul> <p>&lt;Reference&gt;</p> <p>MD-8.5.6/8.5.8/8.5.10</p>	<ul style="list-style-type: none"> <li>Perform the analysis flow for Error 03B6 (MT-4).</li> <li>Check the ML2 (MT-7.19/MU-4.6/MC-5.22).</li> <li>Check the MM1 (MT-7.20/MU-4.6/MC-6.14).</li> <li>Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>Check the SL2 (MT-7.6/MU-4.6/SP-04).</li> <li>Check the SM1 (MT-7.9/MU-4.6/SP-05).</li> <li>Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>Clear the backup memory and then perform a reset (IN-17).</li> <li>Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-11	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
03B7	Side-positioning conveyor remaining IP discharge error	<p><i>[During initialization]</i></p> <ul style="list-style-type: none"> <li>Although the MN3 and MZ1 turned ON to reverse for the purpose of moving the remaining IP in the before-reading conveyor, the SM1 did not close. Or when the MN3 turned ON for feed conveyance after the SM1 close, the SN3 did not close.</li> <li>Although the MN3 turned ON for feed conveyance to search for a remaining IP in the before-reading conveyor, the SN3 did not close.</li> </ul> <p><i>[During initialization/normal processing]</i></p> <p>Although the ML2/MM1/MN3 turned ON for feed conveyance to move the remaining IP in the before-reading conveyor, the SM1 did not open. Or when the MN3 turned ON for feed conveyance after the SM1 close, the SN3 did not close.</p> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>ML2/MM1/MN3; IP transport motor</li> <li>MZ1; Subscanning motor</li> <li>SM1; Before-BCR IP sensor</li> <li>SN3; Side-positioning IP sensor</li> </ul> <p>&lt;Reference&gt;</p> <p>MD-8.5.6</p>	<ul style="list-style-type: none"> <li>Perform the analysis flow for Error 03B7 (MT-4).</li> <li>Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>Check the MZ1 (MT-7.25/MC-10.6).</li> <li>Check the SN3 (MT-7.12/MU-4.6/MC-8.8).</li> <li>Check the SM1 (MT-7.9/MU-4.6/SP-05).</li> <li>Check the SZ1 (MT-7.14/MC-10.11).</li> <li>Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>Check the subscanning unit mechanism (MD-5.5/MC-10).</li> <li>Clear the backup memory and then perform a reset (IN-17).</li> <li>Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-12	D-5
03B8	IP position information error	<p><i>[During initialization]</i></p> <p>The machine's CMOS information (IP found) did not agree with the remaining IP search result (no IP).</p> <p>&lt;Reference&gt;</p> <p>MD-8.5.8/8.5.10</p>	<ul style="list-style-type: none"> <li>Clear the backup memory and then perform a reset (IN-17).</li> <li>Turn the power OFF and then back ON to achieve automatic discharge, clear the backup memory, and then perform a reset (IN-17).</li> <li>Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> </ul>	-	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
03BC	Side-positioning HP operation error	<p>[During initialization/normal processing] Although the MN1 turned ON, the SN1 failed to close, allowing the maximum retry count (NN51) to be exceeded.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MN1; Side-positioning motor</li> <li>• SN1; Side-positioning mechanism home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.8/8.5.2</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03BC (MT-4).</li> <li>• Check the MN1 (MT-7.21/MU-4.6/SP-07).</li> <li>• Check the SN1 (MT-7.10/MU-4.6/MC-8.4).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-13	D-5
03BF	Side-positioning grip operation error	<p>[During initialization/normal processing] Although the MN2 turned ON, the SN2 failed to close, allowing the maximum retry count (NN61) to be exceeded.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MN2; Grip release motor</li> <li>• SN2; Grip release home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.11/8.5.1</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03BF (MT-4).</li> <li>• Check the MN2 (MT-7.22/MU-4.6/MC-8.2).</li> <li>• Check the SN2 (MT-7.11/MU-4.6/MC-8.5).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the power supply (JPS-6) (MT-7.40/MC-13.1).</li> <li>• Check the fuse (F9/F12) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Clear the backup memory and then perform a reset (IN-17).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-14	D-5
03C0	IP pre-reading conveyance error	<p>[During initialization/normal processing] Although the MN3 turned ON, the SZ1 closed before the SN1 closing.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MN3; IP transport motor</li> <li>• SN1; Side-positioning mechanism home position sensor</li> <li>• SZ1; IP leading edge sensor</li> </ul> </p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03C0 (MT-4).</li> <li>• Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>• Check the SN1 (MT-7.10/MU-4.6/MC-8.4).</li> <li>• Check the SZ1 (MT-7.14/MC-10.11).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the subscanning unit mechanism (MD-5.5/MC-10).</li> <li>• Check the IP.</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-16	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
03C1	IP reading conveyance error	<p>[During normal processing] Although the MZ1 turned ON, the SN3 did not open.</p> <p>[During secondary erasure] Although the MZ1 and MN3 turned ON, the SN3 did not open.</p> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>• MZ1; Subscanning motor</li> <li>• SN3; Side-positioning IP sensor</li> <li>• MN3; IP transport motor</li> </ul> <p>&lt;Reference&gt; MD-8.2.11</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03C1 (MT-4).</li> <li>• Check the MZ1 (MT-7.25/MC-10.6).</li> <li>• Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>• Check the SN3 (MT-7.12/MU-4.6/MC-8.8).</li> <li>• Check the subscanning unit mechanism (MD-5.5/MC-10).</li> <li>• Check the power supply (JPS-6) (MT-7.40/MC-13.1).</li> <li>• Check the fuse (F3/F4) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-15	D-5
03C2	Reading IP leading edge detection error	<p>[During normal processing] Although the MZ1 turned ON, the SZ1 did not close.</p> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>• MZ1; Subscanning motor</li> <li>• SZ1; IP leading edge sensor</li> </ul> <p>&lt;Reference&gt; MD-8.2.11</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03C2 (MT-4).</li> <li>• Check the IP.</li> <li>• Check the MZ1 (MT-7.25/MC-10.6).</li> <li>• Check the SZ1 (MT-7.14/MC-10.11).</li> <li>• Check the subscanning unit mechanism (MD-5.5/MC-10).</li> <li>• Check the power supply (JPS-6) (MT-7.40/MC-13.1).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-16	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
03C6	Drive shaft grip error	<p><i>[During initialization/normal processing]</i> Although the MZ2 turned ON, the SZ2 did not open.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MZ2; Driving-shaft grip motor</li> <li>• SZ2; Driving-side grip release home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.11/8.5.4/8.5.11</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03C6/03C8/03CA (MT-4).</li> <li>• Check the MZ2 (MT-7.26/MU-4.6/MC-10.15).</li> <li>• Check the SZ2 (MT-7.15/MU-4.6/MC-10.1).</li> <li>• Check the subscanning unit mechanism (MD-5.5/MC-10).</li> <li>• Check the fuse (F2) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-17	D-5
03C7	Driven shaft grip release error	<p><i>[During initialization/normal processing]</i> Although the MZ3 turned ON, the SZ3 did not open.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MZ3; Driven-shaft grip motor</li> <li>• SZ3; Driven-side grip release home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.10/8.2.11/8.5.4/8.5.11</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03C7/03C9/03CB (MT-4).</li> <li>• Check the MZ3 (MT-7.27/MU-4.6/MC-10.16).</li> <li>• Check the SZ3 (MT-7.16/MU-4.6/MC-10.17).</li> <li>• Check the subscanning unit mechanism (MD-5.5/MC-10).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-18	D-5
03C8	Drive shaft grip release error	<p><i>[During initialization/normal processing]</i> Although the MZ2 turned ON, the SZ2 did not close.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MZ2; Driving shaft grip motor</li> <li>• SZ2; Driving-side grip release home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.14/8.5.11</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03C6/03C8/03CA (MT-4).</li> <li>• Check the MZ2 (MT-7.26/MU-4.6/MC-10.15).</li> <li>• Check the SZ2 (MC-7.15/MU-4.6/MC-10.1).</li> <li>• Check the subscanning unit mechanism (MD-5.5/MC-10).</li> <li>• Check the fuse (F2) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-17	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
03C9	Driven shaft grip error	<p><i>[During initialization/normal processing]</i> Although the MZ3 turned ON, the SZ3 failed to close.</p> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>• MZ3; Driven-shaft grip motor</li> <li>• SZ3; Driven-side grip release home position sensor</li> </ul> <p>&lt;Reference&gt; MD-8.2.11/8.2.14/8.5.4/8.5.11</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03C7/03C9/03CB (MT-4).</li> <li>• Check the MZ3 (MT-7.27/MU-4.6/MC-10.16).</li> <li>• Check the SZ3 (MT-7.16/MU-4.6/MC-10.17).</li> <li>• Check the subscanning unit mechanism (MD-5.5/MC-10).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> <li>• Clear the backup memory and then perform a reset (IN-17).</li> </ul>	MT4-18	D-5
03CA	Drive shaft grip self-diagnosis error	<p><i>[During initialization]</i> Although the MZ2 turned ON, the SZ2 did not open.</p> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>• MZ2; Driving-shaft grip motor</li> <li>• SZ2; Driving-side grip release home position sensor</li> </ul> <p>&lt;Reference&gt; MD-8.5.11</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03C6/03C8/03CA (MT-4).</li> <li>• Check the MZ2 (MT-7.26/MU-4.6/MC-10.15).</li> <li>• Check the SZ2 (MT-7.15/MU-4.6/MC-10.1).</li> <li>• Check the subscanning unit mechanism (MD-5.5/MC-10).</li> <li>• Check the fuse (F2) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-17	D-5
03CB	Driven shaft grip release self-diagnosis error	<p><i>[During initialization]</i> Although the MZ3 turned ON, the SZ3 did not open.</p> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>• MZ3; Driven-shaft grip motor</li> <li>• SZ3; Driven-side grip release home position sensor</li> </ul> <p>&lt;Reference&gt; MD-8.5.11</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03C7/03C9/03CB (MT-4).</li> <li>• Check the MZ3 (MT-7.27/MU-4.6/MC-10.16).</li> <li>• Check the SZ3 (MT-7.16/MU-4.6/MC-10.17).</li> <li>• Check the subscanning unit mechanism (MD-5.5/MC-10).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-18	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
03CC	Mirror operation error	<p><i>[During normal processing]</i> The MZ4 turned ON, but the SZ4 did not open.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MZ4; Mirror drive motor</li> <li>• SZ4; Mirror home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.5.13</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03CC (MT-4).</li> <li>• Check the light-collecting mirror arm mechanism.</li> <li>• Check the MZ4 (MT-7.28/MU-4.6/MC-10.14).</li> <li>• Check the SZ3 (MT-7.16/MU-4.6/MC-10.17).</li> <li>• Check the subscanning unit mechanism (MD-5.5/MC-10).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-19	D-5
03CD	Conveyance error (side-positioning return conveyance)	<p><i>[During normal processing]</i> The MZ1/MN3 turned ON, but the SN3 did not close.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MZ1; Subscanning motor</li> <li>• MN3; IP transport motor</li> <li>• SN3; Side-positioning IP sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.6</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03CD (MT-4).</li> <li>• Check the MZ4 (MT-7.28/MU-4.6/MC-10.14).</li> <li>• Check the SZ3 (MT-7.16/MU-4.6/MC-10.17).</li> <li>• Check the subscanning unit mechanism (MD-5.5/MC-10).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-20	D-5
03D3	Pre-erasure conveyance error	<p><i>[During normal processing]</i> Although the MM1/MN3 turned ON, the SM1 failed to close. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MM1/MN3; IP transport motor</li> <li>• SM1; Before-BCR IP sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.14</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03D3 (MT-4).</li> <li>• Check the MM1 (MT-7.20/MU-4.6/MC-12.7).</li> <li>• Check the MN3 (MT-7.23/MU-4.6/MC-8.2).</li> <li>• Check the SM1 (MT-7.9/MU-4.6/SP-05).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the erasure conveyor mechanism (MD-5.3/MC-6).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-22	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
03D5	Erasure conveyance error	<p><i>[During normal processing]</i> Although the MN3/MM1/ML2 turned ON, the SM1 failed to open.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MN3/MM1/ML2; IP transport motor</li> <li>• SM1; Before-BCR IP sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.15</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03D5 (MT-4).</li> <li>• Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>• Check the MM1 (MT-7.20/MU-4.6/MC-6.14).</li> <li>• Check the ML2 (MT-7.19/MU-4.6/MC-5.22).</li> <li>• Check the SM1 (MT-7.9/MU-4.6/SP-05).</li> <li>• Check the erasure conveyor mechanism (MD-5.3/MC-6).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-23	D-5
03E8	Suction cup moving error	<p><i>[During initialization/normal processing/M-Utility mode/abnormality processing]</i> Although the ML1 turned ON, the SL1 failed to close, allowing the maximum retry count (NL51) to be exceeded.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• ML1; Suction cup drive motor</li> <li>• SL1; Suction cup home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.2/8.5.7</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03E8 (MT-4).</li> <li>• Check the ML1 (MT-7.18/MU-4.6/MC-5.17).</li> <li>• Check the SL1 (MT-7.5/MU-4.6/MC-5.3).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-27	D-5
03EE	Cleaning guide return operation error	<p><i>[During initialization/normal processing/M-Utility mode/abnormality processing]</i> Although the ML1 turned ON, the SL1 failed to close, allowing the maximum retry count (NL51) to be exceeded.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• ML1; Suction cup drive motor</li> <li>• SL1; Suction cup home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.2/8.5.7</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03EE (MT-4).</li> <li>• Check the SN4 (MT-7.13/MU-4.6/MC-8.9).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-28	D-5



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
03EF	Cleaning guide operation error	<p><i>[During normal processing]</i> The MN4 is turned ON, but the SN4 does not close, allowing the maximum retry count (NL51) to be exceeded.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MN4; Cleaning guide drive motor</li> <li>• SN4; Cleaning guide home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.7/8.5.5</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 03EF (MT-4).</li> <li>• Check the MN4 (MT-7.24/MU-4.6/MC-8.6).</li> <li>• Check the SN4 (MT-7.13/MU-4.6/MC-8.9).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-28	D-5
0400	File open error	<p><i>[During initialization]</i> An error was detected when an attempt was made to open a subsystem file (IMG).</p>	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	E-1
0401	File format error	<p><i>[During initialization]</i> An error was found in the format of a subsystem file (IMG).</p>	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	E-1
0402	File setting value error	<p><i>[During initialization]</i> An error was found in the settings contained in a subsystem file (IMG).</p>	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	E-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0403	File read error	<i>[During initialization]</i> An error was detected when an attempt was made to read a subsystem file (IMG).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	E-1
0410	DSP4 device initialization error	<i>[During initialization]</i> An error was detected when an attempt was made to initialize the DSP4 device (IMG07B board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	E-2
0411	DSP4 device open error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DSP4 device (IMG07B board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	E-2
0412	DSP4 micro program boot error	<i>[During initialization]</i> An error was detected when an attempt was made to boot a micro program for the DSP4 device (IMG07B board) from the HDD.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG07B board (MT-7.41/MC-15.4).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-2
0413	DSP4 micro program load error	<i>[During initialization]</i> An error was detected when an attempt was made to load a micro program into the DSP4 device (IMG07B board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG07B board (MT-7.41/MC-15.4).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0414	DSP4 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP4 device (IMG07B board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG07B board (MT-7.41/MC-15.4).</li> </ul>	-	E-2
0415	DSP4 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP4 device (IMG07B board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG07B board (MT-7.41/MC-15.4).</li> </ul>	-	E-2
0420	DSP4 memory write error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to write into the DSP4 device (IMG07B board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG07B board (MT-7.41/MC-15.4).</li> </ul>	-	E-2
0421	DSP4 memory read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read the DSP4 device (IMG07B board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG07B board (MT-7.41/MC-15.4).</li> </ul>	-	E-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0422	DSP4 image processing error 1	<i>[During normal processing]</i> An image processing error was found in the DSP4 device (IMG07B board) when image data was being read from the scanner.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG07B board (MT-7.41/MC-15.4).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the cable (MT-7/SP-12).</li> <li>• Check the fuse (F3/F4) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the MZ1/MZ2/MZ3 (MU-4.6/MC-10.6/MC-10.15/MC-10.16).</li> <li>• Check the MN1/MN2/MN3 (SP-07/MC-8.2).</li> </ul>	-	E-2
0423	DSP4 image processing error 2	<i>[During normal processing]</i> An image processing error was found in the DSP4 device (IMG07B board) after an image data read from the scanner.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG07B board (MT-7.41/MC-15.4).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the cable (MT-7/SP-12).</li> <li>• Check the fuse (F3/F4) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the MZ1/MZ2/MZ3 (MU-4.6/MC-10.6/MC-10.15/MC-10.16).</li> <li>• Check the MN1/MN2/MN3 (SP-07/MC-8.2).</li> </ul>	-	E-2
0425	DSP1 device initialization error	<i>[During initialization]</i> An error was detected when an attempt was made to initialize the DSP1 device (BSP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> </ul>	-	E-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0426	DSP1 device open error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DSP1 device (BSP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> </ul>	-	E-2
0427	DSP1 micro program boot error	<i>[During initialization]</i> An error was detected when an attempt was made to boot a micro program for the DSP1 device (BSP08A board) from the HDD.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-2
0428	DSP1 micro program load error	<i>[During initialization]</i> An error was detected when an attempt was made to load a micro program into the DSP1 device (BSP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-2
0429	DSP1 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP1 device (BSP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> </ul>	-	E-2
0430	DSP1 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP1 device (BSP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> </ul>	-	E-2
0435	DSP1 memory write error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to write into the DSP1 device (BSP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> </ul>	-	E-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0436	DSP1 memory read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read the DSP1 device (BSP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> </ul>	-	E-2
0437	DSP1 image processing error 1	<i>[During normal processing]</i> An image processing error was found in the DSP1 device (BSP08A board) when image data was being read from the scanner.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the cable (MT-7/SP-12).</li> <li>• Check the fuse (F3/F4) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the MZ1/MZ2/MZ3 (MU-4.6/MC-10.6/MC-10.15/MC-10.16).</li> <li>• Check the MN1/MN2/MN3 (SP-07/MC-8.2).</li> </ul>	-	E-2
0440	DSP2 device initialization error	<i>[During initialization]</i> An error was detected when an attempt was made to initialize the DSP2 device (BSP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> </ul>	-	E-2
0441	DSP2 device open error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DSP2 device (BSP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> </ul>	-	E-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0442	DSP2 micro program boot error	<i>[During initialization]</i> An error was detected when an attempt was made to boot a micro program for the DSP2 device (BSP08A board) from the HDD.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-2
0443	DSP2 micro program load error	<i>[During initialization]</i> An error was detected when an attempt was made to load a micro program into the DSP2 device (BSP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-2
0444	DSP2 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP2 device (BSP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> </ul>	-	E-2
0445	DSP2 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP2 device (BSP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> </ul>	-	E-2
0450	DMA device open error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DMA device (CPU90E board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	E-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0451	Reading DMA transfer error	<i>[During normal processing]</i> An attempt was made to transfer the image data from the scanner to the MMA90A or MMB90A/DIM08A board, but an error was detected.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-5
0452	Rotating DMA transfer error	<i>[During normal processing]</i> An error was detected when an attempt was made to DMA-transfer 24 x 30 mammographic image data for rotation.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HCP08A board (MT-7.41/MC-15.9).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-5
0460	Image data write error	<i>[During normal processing]</i> An attempt was made to write the read image data from the MMA90A or MMB90A/DIM08A board to the HDD, but an error was detected.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-6
0461	Monitor image write error	<i>[During normal processing]</i> An attempt was made to write the monitor image data from the MMA90A or MMB90A/DIM08A board to the HDD, but an error was detected.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-6



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0462	EDR data write error	<i>[During normal processing]</i> An attempt was made to write the EDR reduced image data from the MMA90A or MMB90A/DIM08A board to the HDD, but an error was detected.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-6
0463	ID information write error	<i>[During normal processing]</i> An attempt was made to write the ID information from the MMA90A or MMB90A/DIM08A board to the HDD, but an error was detected.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-6
0464	File close error 1	<i>[During normal processing]</i> The file that was opened in the read image write mode cannot be closed.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	E-6
0465	File close error 2	<i>[During normal processing]</i> An error was detected when an attempt was made to close a file that was opened in the read mode.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	E-6

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0466	ID information read error	<i>[During U-Utility mode]</i> An error was detected when an attempt was made to read ID information.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-6
0467	ID information update error	<i>[During U-Utility mode]</i> An error was detected when an attempt was made to write ID information.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-6
0468	Monitor image read error	<i>[During U-Utility mode]</i> An error was detected when an attempt was made to read a monitored image.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-6
0469	Image file open error	<i>[During normal processing]</i> An error was detected when an attempt was made to open an image data file for the purpose of retrying an image data write onto the HDD.	<ul style="list-style-type: none"> <li>• Output the stored image data.</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> </ul>	-	E-4

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
046A	Image lock or unlock error	<i>[During reoutput]</i> When an attempt was made to reoutput an image, an error was detected because U-Utility's image lock or unlock setup was abnormal.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	E-6
0470	DSP2 memory write error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to write into the DSP2 device (BSP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> </ul>	-	E-2
0471	DSP2 memory read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read the DSP2 device (BSP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> </ul>	-	E-2
0472	DSP2 image processing error 1	<i>[During normal processing]</i> An image processing error was found in the DSP2 device (BSP08A board) when image data was being read from the scanner.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the BSP08A board (MT-7.41/MC-15.5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the cable (MT-7).</li> <li>• Check the fuse (F3/F4) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the MZ1/MZ2/MZ3 (MU-4.6/MC-10.6/MC-10.15/MC-10.16).</li> <li>• Check the MN1/MN2/MN3 (SP-07/MC-8.2).</li> </ul>	-	E-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0532	Polygon mirror error 1	<i>[During initialization]</i> A polygon motor lock signal error was detected when the polygon status was checked upon laser power ON.	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 0532 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F6) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the polygon assembly (MC-9.6).</li> </ul>	MT5-1	E-3
0534	Laser power error 1	<i>[During initialization]</i> An error was detected when the laser status was checked.	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 0534 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F6-F8) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the LD assembly (MC-9.5).</li> </ul>	MT5-2	E-3
0536	Analog power supply error 1	<i>[During initialization]</i> An analog power supply voltage error was found on the PMT08D board.	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 0536 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F6-F8) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the PMT08D board (MT-7.38/MT-7.41/MC-10.7).</li> </ul>	MT5-3	E-3

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0537	Start point detection error 1	<i>[During initialization]</i> An error was detected when the start point detection status was checked.	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 0537 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F1, F6-F8) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the SYN08A board (MC-9.7).</li> <li>• Check the polygon assembly (MC-9.6).</li> <li>• Check the LD assembly (MC-9.5).</li> </ul>	MT5-4	E-3
0538	IP leading edge detection error 1	<i>[During initialization]</i> The IP leading edge detection signal was found to be abnormal when the leading edge detection status was checked.	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 0538 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F1, F6-F8) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the SZ1 (SED08A board) (MC-10.11).</li> <li>• Check the polygon assembly (MC-9.6).</li> <li>• Check the LD assembly (MC-9.5).</li> <li>• Check the subscanning unit mechanism (MD-5.5/MC-10).</li> </ul>	MT5-5	E-3
0549	Image quit error	<i>[During normal processing]</i> An image quit interrupt was not executed within the specified time.	<ul style="list-style-type: none"> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the SYN08A board (MC-9.7).</li> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the polygon assembly (MC-9.6).</li> <li>• Check the LD assembly (MC-9.5).</li> </ul>	-	E-3

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0563	Analog power supply error 1	<i>[During initialization]</i> Analog power supply error is detected in the PMR08C board.	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 0563 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F6-F8) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the PMR08C board (MT-7.39/MT-7.41/MC-10.8).</li> </ul>	MT5-6	E-3
0701	Standard LAN initial setting error	<i>[During initialization]</i> An error was detected during CPU90E board initialization.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	H
0702	LAN board option invalid	<i>[During initialization]</i> An error was detected during CPU90F/LAN90B board initialization.	<ul style="list-style-type: none"> <li>• Check the CPU90F/LAN90B board. (MT-7.41/MC-15.7/MC-15.8)</li> </ul>	-	H
0703	System file setting value error	<i>[During initialization]</i> An error was found in the configuration (SYSTEM) settings.	<ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> </ul>	-	F
0704	No effective IDT	<i>[During initialization]</i> An error was found in the configuration settings (EQUIPMENT/HOSTS ADDRESS).	<ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> </ul>	-	F
0800	File open error	<i>[During initialization]</i> An error was detected when an attempt was made to open a subsystem file (LIF).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	I-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0801	File format error	<i>[During initialization]</i> An error was found in the format of a subsystem file (LIF).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	I-1
0802	File setting value error	<i>[During initialization]</i> An error was found in the settings contained in a subsystem file (LIF).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	I-1
0803	ID information read error	<i>[During normal processing]</i> An attempt was made to read the ID information to the MMA90A or MMB90A/DIM08A board, but an error was detected.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-2
0804	Image file close error	<i>[During normal processing]</i> An error was detected when an attempt was made to close an image data file.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	I-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0805	Image file read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read an image file.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	I-2
0806	Format information search error	<i>[During normal processing (film reoutput)]</i> An error was found in the HDD format information. Or the format information about the battery backup memory was found to be abnormal.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	I-3
0807	Format number acquisition error	<i>[During normal processing]</i> An error was detected when the combination of IP read size and format information was checked.	<ul style="list-style-type: none"> <li>• Check the IP.</li> </ul>	-	I-4
0809	DMA device initialization error	<i>[During initialization]</i> An error was detected when an attempt was made to open a device driver (DMA).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	I-5
080A	DMA transfer error	<i>[During normal processing]</i> A DMA image transfer to the IMG board failed.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-5



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
080B	Memory area securing error	<i>[During initialization]</i> An error was detected when memory area allocation was attempted.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-6
0810	DSP10 device initialization error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DSP10 device (IMG08M board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> </ul>	-	I-7
0811	DSP11 micro program load error	<i>[During initialization]</i> An error was detected when an attempt was made to load a micro program into the DSP11 (IMG08M board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
0812	DSP10 memory write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write image data into the DSP10 device (IMG08M board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> </ul>	-	I-7
0813	DSP10 memory read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read image data from the DSP10 device (IMG08M board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> </ul>	-	I-7
0814	DSP10 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP10 device (IMG08M board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> </ul>	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0815	DSP10 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP10 device (IMG08M board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> </ul>	-	I-7
0816	DSP10 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP10 device (IMG08M board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
0817	DSP11 device initialization error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DSP11 device (IMG08M board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> </ul>	-	I-7
0818	DSP11 micro program load error	<i>[During initialization]</i> An error was detected when an attempt was made to load a micro program into the DSP11 device (IMG08M board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
0819	DSP11 memory write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write image data into the DSP11 device (IMG08M board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> </ul>	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
081A	DSP11 memory read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read image data from the DSP11 device (IMG08M board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> </ul>	-	I-7
081B	DSP11 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP11 device (IMG08M board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> </ul>	-	I-7
081C	DSP11 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP11 device (IMG08M board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> </ul>	-	I-7
081D	DSP11 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP11 device (IMG08M board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
081E	DSP20 device initialization error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DSP20 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
081F	DSP20 micro program load error	<i>[During initialization]</i> An error was detected when an attempt was made to load a micro program into the DSP20 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
0820	DSP20 memory write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write image data into the DSP20 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0821	DSP20 memory read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read image data from the DSP20 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0822	DSP20 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP20 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0823	DSP20 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP20 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0824	DSP20 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP20 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
0825	DSP21 device initialization error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DSP21 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0826	DSP21 micro program load error	<i>[During initialization]</i> An error was detected when an attempt was made to load a micro program into the DSP21 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
0827	DSP21 memory write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write image data into the DSP21 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0828	DSP21 memory read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read image data from the DSP21 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0829	DSP21 checksum error	<i>[During initialization]</i> An error was detected in the checksum on the micro program for the DSP21 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
082A	DSP21 self-diagnosis error	<i>[During initialization]</i> An error was found in the micro program self-diagnosis on the DSP21 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
082B	DSP21 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP21 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
082C	DSP22 device initialization error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DSP22 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
082D	DSP22 micro program load error	<i>[During initialization]</i> An error was detected when an attempt was made to load a micro program into the DSP22 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
082E	DSP22 memory write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write image data into the DSP22 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
082F	DSP22 memory read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read image data from the DSP22 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0830	DSP22 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP22 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0831	DSP22 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP22 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0832	DSP22 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP22 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
0833	DSP30 device initialization error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DSP30 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0834	DSP30 micro program load error	<i>[During initialization]</i> An error was detected when an attempt was made to load a micro program into the DSP30 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0835	DSP30 memory write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write image data into the DSP30 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0836	DSP30 memory read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read image data from the DSP30 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0837	DSP30 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP30 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0838	DSP30 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP30 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0839	DSP30 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP30 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
083A	DSP31 device initialization error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DSP31 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
083B	DSP31 micro program load error	<i>[During initialization]</i> An error was detected when an attempt was made to load the DSP31 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
083C	DSP31 memory write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write image data into the DSP31 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
083D	DSP31 memory read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read image data from the DSP31 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
083E	DSP31 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP31 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
083F	DSP31 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP31 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0840	DSP31 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP31 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
0841	DSP32 device initialization error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DSP32 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0842	DSP32 micro program load error	<i>[During initialization]</i> An error was detected when an attempt was made to load a micro program into the DSP32 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0843	DSP32 memory write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write image data into the DSP32 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0844	DSP32 memory read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read image data from the DSP32 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0845	DSP32 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP32 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0846	DSP32 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP32 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0847	DSP32 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP32 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
0848	DSP23 device initialization error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DSP23 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0849	DSP23 micro program load error	<i>[During initialization]</i> An error was detected when an attempt was made to load a micro program into the DSP23 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
084A	DSP23 memory write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write image data into the DSP23 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
084B	DSP23 memory read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read image data from the DSP23 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
084C	DSP23 checksum error	<i>[During initialization]</i> An error was detected in the checksum on the micro program for the DSP23 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
084D	DSP23 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP23 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
084E	DSP23 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP23 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0851	DSP33 device initialization error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DSP33 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0852	DSP33 micro program load error	<i>[During initialization]</i> An error was detected when an attempt was made to load a micro program into the DSP33 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
0853	DSP33 memory write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write image data into the DSP33 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0854	DSP33 memory read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read image data from the DSP33 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0855	DSP33 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP33 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0856	DSP33 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP33 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> </ul>	-	I-7
0857	DSP33 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP33 device (IMG08H board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	I-7
0A00	File open error	<i>[During initialization]</i> An error was detected when an attempt was made to open a file.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	K-1
0A01	File format error	<i>[During initialization]</i> A format error was found in a file that was read into the CPU memory (CPU90E board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	K-1



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0A02	File setting value error	<i>[During initialization]</i> An error was found in the setting data in a file.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	K-1
0A03	File save error	<i>[During initialization]</i> A file save could not be performed.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	K-1
0A04	Online connection option setting error	<i>[During initialization]</i> It was found that the type A and type B online connection options are both enabled (option setting inconsistency).	<ul style="list-style-type: none"> <li>• Uninstall the soft key file (FD) for the connection type irrelevant to the installation site (MU-4.7).</li> </ul>	-	K-2
0B00	Image data open error	<i>[During normal processing]</i> An error was detected when an attempt was made to open an image data file.	<ul style="list-style-type: none"> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	L-1
0B01	ID information read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read ID information into the MMA90A, MMB90A/DIM08A board.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	L-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0B02	ID information write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write ID information onto the HDD.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	L-1
0B03	Image data read error	<i>[During normal processing]</i> An attempt was made to read the image data to the MMA90A or MMB90A/DIM08A board, but an error was detected.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	L-1
0B04	Image data write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write image data onto the HDD.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	L-1
0B05	Image data read close error	<i>[During normal processing]</i> An error was detected when an attempt was made to close an image data file.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	L-1
0B06	Image data write close error	<i>[During normal processing]</i> An error was detected when an attempt was made to close an image data file.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	L-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0B10	DSPH device open error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DSPH device (HCP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	L-2
0B11	DSPH micro program file open error	<i>[During initialization]</i> An error was detected when an attempt was made to open a DSPH micro program file on the HDD.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	L-3
0B12	DSPH micro program read error	<i>[During initialization]</i> An error was detected when an attempt was made to read a DSPH micro program into the CPU memory (CPU90E board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	L-3
0B13	DSPH micro program boot error	<i>[During initialization]</i> An error was detected when an attempt was made to boot a micro program for the DSPH device (HCP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HCP08A board (MT-7.41/MC-15.9).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	L-2
0B14	DSPH memory write error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to perform a DSPH memory write into the DSPH device (HCP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HCP08A board (MT-7.41/MC-15.9).</li> </ul>	-	L-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0B15	DSPH memory read error	<i>[During normal processing]</i> An error was detected when an attempt was made to perform a DSPH memory load into the CPU memory (CPU90E board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HCP08A board (MT-7.41/MC-15.9).</li> </ul>	-	L-2
0B16	DSPH checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSPH device (HCP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HCP08A board (MT-7.41/MC-15.9).</li> </ul>	-	L-2
0B17	DSPH self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSPH device (HCP08A board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HCP08A board (MT-7.41/MC-15.9).</li> </ul>	-	L-2
0B18	DSPH image processing error	<i>[During normal processing]</i> <ul style="list-style-type: none"> <li>• An error was found in a compression/decompression process.</li> <li>• A timeout occurred because image data could not be read from the HDD.</li> <li>• An image data communication was aborted.</li> </ul>	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HCP08A board (MT-7.41/MC-15.9).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	L-2
0B20	DMA device open error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DMA device (CPU90E board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	L-4

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0B21	DMA transfer error	<p><i>[During normal processing]</i></p> <ul style="list-style-type: none"> <li>An error was detected when an attempt was made to transfer image data to the HCP08A board.</li> <li>An attempt was made to transfer the image data to the MMA90A or MMB90A/DIM08A board, but an error was detected.</li> </ul>	<ul style="list-style-type: none"> <li>Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>Check the HCP08A board (MT-7.41/MC-15.9).</li> <li>Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>Check the HDD (MT-7.42/MC-11).</li> </ul>	-	L-4
0C00	DMA device open error	<p><i>[During initialization]</i></p> <p>An error was detected when an attempt was made to open the DMA device (CPU90E board).</p>	<ul style="list-style-type: none"> <li>Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	M-1
0C01	DMA transfer error	<p><i>[During normal processing]</i></p> <p>An error was detected when an attempt was made to transfer image data to the CPU90F/LAN90B board.</p>	<ul style="list-style-type: none"> <li>Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>Check the HDD (MT-7.42/MC-11).</li> </ul>	-	M-1
0C10	ID information read error	<p><i>[During normal processing]</i></p> <p>An error was detected when an attempt was made to read ID information into the CPU memory (CPU90E board).</p>	<ul style="list-style-type: none"> <li>Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>Check the HDD (MT-7.42/MC-11).</li> </ul>	-	M-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0C11	Image data read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read image data into the MMA90A, MMB90A/DIM08A board.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	M-2
0C12	Image data read close error	<i>[During normal processing]</i> An error was detected when an attempt was made to close an image data file.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	M-2
0C80	DMA device open error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DMA device (CPU90E board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	M-1
0C81	DMA transfer error	<i>[During normal processing]</i> An error was detected when an attempt was made to transfer image data to the MMA90A, MMB90A/DIM08A board.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	M-1
0C90	ID information write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write ID information onto the HDD.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	M-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0C91	Image data read close error	<i>[During normal processing]</i> An error was detected when an attempt was made to close an image data file.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	M-2
0C92	Image data open error	<i>[During normal processing]</i> An error was detected when an attempt was made to open an image data file.	<ul style="list-style-type: none"> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	M-2
0C93	Image data write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write image data onto the HDD.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	M-2
0C94	Image data write close error	<i>[During normal processing]</i> An error was detected when an attempt was made to close a received input image data file.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	M-2
0C95	ID information read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read ID information into the CPU memory (CPU90E board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	M-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0C96	ID information update error	<i>[During normal processing]</i> An error was detected when an attempt was made to update the ID information delivered to the HDD.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	M-2
0D10	Image data read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read image data into the MMA90A, MMB90A/DIM08A board.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	D
0D11	ID information read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read ID information into the CPU memory (CPU90E board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	D
0D12	Image data close error	<i>[During normal processing]</i> An error was detected when an attempt was made to close an image data file.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	D
0D13	Image data close error	<i>[During normal processing]</i> An error was detected when an attempt was made to close an image data file.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	D



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0D14	EDR data read error	<i>[During normal processing]</i> An error was detected when an attempt was made to read EDR data into the MMA90A, MMB90A/DIM08A board.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	D
0D15	EDR data close error	<i>[During normal processing]</i> An error was detected when an attempt was made to close an EDR data file.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	D
0D20	Image data conversion error	<i>[During normal processing]</i> An attempt to compress the image fails.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HCP08A board (MT-7.41/MC-15.9).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	D
0D30	DMA device open error	<i>[During initialization]</i> An error was detected when an attempt was made to open the DMA device driver.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	C
0D31	DMA transfer error	<i>[During normal processing]</i> <ul style="list-style-type: none"> <li>• An error was detected when an attempt was made to transfer image data to the CPU90F/LAN90B board.</li> <li>• An error was detected when an attempt was made to transfer image data to the MMA90A, MMB90A/DIM08A board.</li> </ul>	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	C

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
0D42	Image data transmission error	<i>[During normal processing]</i> The DICOM transmission process for the LAN board could not be continued.	<ul style="list-style-type: none"> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> </ul>	-	G-2
0D60	File open error	<i>[During normal processing]</i> An error was detected when an attempt was made to open a subsystem file (DOT).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	I
0D61	File read error	<i>[During initialization]</i> An error was detected when an attempt was made to read a file into the CPU memory (CPU90E board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	O
0D62	File format error	<i>[During initialization]</i> A format error was found in a file that was loaded into the CPU memory (CPU90E board).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	O
0D70	File format error	<i>[During initialization]</i> An error was found in the settings contained in a configuration file (SYSTEM).	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Check the configuration settings (MU-4.2).</li> </ul>	-	P

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
104A	Image file access timeout (for analysis)	<i>[During normal processing]</i> • A timeout was found in an image file access. • A timeout was detected in the HDD's read/write response.	Design analysis error code	-	e-6
104B	Image file access timeout (for SCSI analysis)	<i>[During normal processing]</i> • A timeout was found in an image file access. • A timeout was detected in the HDD's read/write response.	Design analysis error code	-	e-6
104C	Image file access timeout (for IMM analysis)	<i>[During normal processing]</i> • A timeout was found in an image file access. • A timeout was detected in the HDD's read/write response.	Design analysis error code	-	e-6
1103	Backup memory corruption	<i>[During initialization]</i> An error was found in a backup memory check.	• Check the CPU90E board (MT-7.41/MC-15.3).	-	F
1113	HD image area uninitialized	<i>[During initialization]</i> An error was found in the format data about the HDD image area.	• Check the CPU90E board (MT-7.41/MC-15.3). • Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2). • Check the HDD (MT-7.42/MC-11). • Format the HDD and reinstall the software (MU-A1).	-	F
1301	Image file open error	<i>[During normal processing]</i> The image data area on the HDD at the output destination device became full.	• Output stored image data. • Check the external device.	-	D-4

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
1302	Image file close error	<i>[During normal processing]</i> An error was detected when an attempt was made to close an image data file.	<ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	D-1
13A1	Cassette setting error	<i>[During initialization/normal processing]</i> Although the SOLK1 turned OFF, the SK3 failed to close, allowing the maximum retry count (NK12) to be exceeded.  <i>&lt;I/O name&gt;</i> <ul style="list-style-type: none"> <li>• SOLK1; Cassette hold solenoid</li> <li>• SK3; Cassette hold sensor</li> </ul> <i>&lt;Reference&gt;</i> MD-8.2.1	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13A1 (MT-4).</li> <li>• Check the SOLK1 (MT-7.31/MU-4.6/MC-4.6).</li> <li>• Check the SK2 (MT-7.2/MU-4.6/MC-4.9).</li> <li>• Check the SK3 (MT-7.3/MU-4.6/MC-4.7).</li> <li>• Check the cassette set unit mechanism (MD-5.1/MC-4).</li> <li>• Check the cassette.</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-1	D-5
13A2	Cassette hold release error	<i>[During initialization/normal processing/abnormality processing]</i> Although the SOLK1 turned ON, the SK3 failed to open, allowing the maximum retry count (NK11) to be exceeded.  <i>&lt;I/O name&gt;</i> <ul style="list-style-type: none"> <li>• SOLK1; Cassette hold solenoid</li> <li>• SK3; Cassette hold sensor</li> </ul> <i>&lt;Reference&gt;</i> MD-8.2.1/8.6.2	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13A2 (MT-4).</li> <li>• Check the SOLK1 (MT-7.31/MU-4.6/MC-4.6).</li> <li>• Check the SK3 (MT-7.3/MU-4.6/MC-4.7).</li> <li>• Check the cassette set unit mechanism (MD-5.1/MC-4).</li> <li>• Check the cassette.</li> <li>• Check the fuse (F10) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-1	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
13A4	Cassette setting error	<p><i>[During initialization/normal processing/abnormality processing]</i> Although the cassette was set in position, the SK2 did not close.</p> <p>&lt;I/O name&gt; • SK2; Cassette IN sensor</p> <p>&lt;Reference&gt; MD-8.2.1</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13A4 (MT-4).</li> <li>• Check the SK2 (MT-7.2/MU-4.6/MC-4.9).</li> <li>• Check the cassette set unit mechanism (MD-5.1/MC-4).</li> <li>• Check the cassette.</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-2	D-5
13A5	Cassette setting error	<p><i>[During normal processing]</i> Although the SOLK1 turned OFF, the SK2 opened.</p> <p>&lt;I/O name&gt; • SOLK1; Cassette hold solenoid • SK2; Cassette IN sensor</p> <p>&lt;Reference&gt; MD-8.2.2</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13A5 (MT-4).</li> <li>• Check the SK1 (MT-7.1/MU-4.6/MC-4.3).</li> <li>• Check the cassette set unit mechanism (MD-5.1/MC-4).</li> <li>• Check the cassette.</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-2	D-5
13A6	Cassette undetected	<p><i>[During normal processing]</i> Although the SOLK1 turned OFF upon cassette loading, the SK1 failed to close and the SK2 failed to close.</p> <p>&lt;I/O name&gt; • SOLK1; Cassette hold solenoid • SK1; Cassette ejection sensor • SK2; Cassette IN sensor</p> <p>&lt;Reference&gt; MD-8.2.1</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13A6 (MT-4).</li> <li>• Check the SOLK1 (MT-7.31/MU-4.6/MC-4.6).</li> <li>• Check the SK1 (MT-7.1/MU-4.6/MC-4.3).</li> <li>• Check the cassette set unit mechanism (MD-5.1/MC-4).</li> <li>• Check the cassette.</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-3	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
13A7	Cassette undetected	<p><i>[During normal processing]</i> Although the SOLK1 turned OFF, the SK1 failed to close and the SK2 failed to close.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• SOLK1; Cassette hold solenoid</li> <li>• SK1; Cassette ejection sensor</li> <li>• SK2; Cassette IN sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.2</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13A7 (MT-4).</li> <li>• Check the SK1 (MT-7.1/MU-4.6/MC-4.3).</li> <li>• Check the SK2 (MT-7.2/MU-4.6/MC-4.9).</li> <li>• Check the cassette set unit mechanism (MD-5.1/MC-4).</li> <li>• Check the cassette.</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-3	D-5
13A8	Nonstandard IP size	<p><i>[During normal processing]</i>  <ul style="list-style-type: none"> <li>• When the IP size was checked, the CLOSE time combination of the SL4 and SM1 did not agree with the IP size data stored in the machine.</li> <li>• Although the IP size was recognized as "8" x 10" ST", the barcode information indicated "HR".</li> </ul> </p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• SL4; Mammo/ST sensor</li> <li>• SM1; Before-BCR IP sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.4</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13A8 (MT-4).</li> <li>• Check the IP and cassette.</li> <li>• Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>• Check the SL4 (MT-7.7/MU-4.6/MC-5.13).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the cassette set unit mechanism (MD-5.1/MC-4).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-4	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
13A9	Barcode read error	<p><i>[During normal processing]</i> Although the BCRN1 was turned ON, the barcode information on the IP could not be read, resulting in the retry count (NN31) to be exceeded.</p> <p>&lt;I/O name&gt; • BCRN1; Barcode reader</p> <p>&lt;Reference&gt; MD-8.2.4</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13A9 (MT-4).</li> <li>• Check the BCRN1 (MT-7.33/MC-8.3).</li> <li>• Check the IP.</li> <li>• Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-5	D-5
13AA	Erasure lamp failure	<p><i>[During initialization/normal processing]</i> It was found that the LAMP1/2/3/4/5 were not properly illuminated.</p> <p>&lt;I/O name&gt; • LAMP1/2/3/4/5; Erasure lamps</p> <p>&lt;Reference&gt; MD-8.218</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13AA/23AA (MT-4).</li> <li>• Check the LAMP1/2/3/4/5 (MU-4.4/MC-6.5).</li> <li>• Check the fuse (F5) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the power supply (JPS-6) (MT-2.4.5/MC-13.1).</li> <li>• Check the FANM1 (MC-6.8).</li> <li>• Check the TSW1 (MC-6.7).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-6	D-3
13AB	Overexposed IP unerased	<p><i>[During normal processing]</i> It was found that the IP dosage was higher than 400 mR.</p>	<ul style="list-style-type: none"> <li>• Check the IP.</li> <li>• Check the exposure conditions.</li> <li>• Check the PMT08D board (MT-7.38/MT-7.41/MC-10.7).</li> <li>• Check the PMR08C board (MT-7.39/MT-7.41/MC-10.8).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> </ul>	-	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
13AC	ID information not registered	<p>[During normal processing] Although the IDT was asked about the ID formation of the IP, it was not registered.</p> <p>&lt;Reference&gt; MD-8.2.9</p>	<ul style="list-style-type: none"> <li>• Check the ID information.</li> <li>• Check the external device (IDT).</li> </ul>	-	D-5
13AD	IP with improper generation/type detected	<p>[During normal processing] It was found that the barcode information about the IP did not agree with the IP type data stored in the machine.</p> <p>&lt;Reference&gt; MD-8.2.1/8.2.4</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13AD (MT-4).</li> <li>• Check the IP.</li> <li>• Check the IP's barcode label.</li> <li>• Check the BCRN1 (MT-7.33/MC-8.3).</li> </ul>	MT4-7	D-5
13AE	No relevant MPM code	<p>[During normal processing] Although an attempt was made to perform an image recording process in accordance with ID information, no relevant image recording process condition (MPM code) was found in the machine.</p> <p>&lt;Reference&gt; MD-8.2.9</p>	<ul style="list-style-type: none"> <li>• Check the image recording process condition setup.</li> </ul>	-	D-5
13AF	IDT line error	<p>[During normal processing] Although the IDT was called, the IDT did not respond.</p> <p>&lt;Reference&gt; MD-8.2.9</p>	<ul style="list-style-type: none"> <li>• Check the external device (IDT).</li> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> </ul>	-	D-5



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
13B8	IP position information error	<p>[During initialization] The machine's CMOS information (IP found) did not agree with the remaining IP search result (no IP).</p> <p>&lt;Reference&gt; MD-8.5.8/8.5.10</p>	<ul style="list-style-type: none"> <li>• Clear the backup memory and then perform a reset (IN-17).</li> <li>• Turn the power OFF and then back ON to achieve Automatic discharge, clear the backup memory, and then perform a reset (IN-17).</li> </ul>	-	D-5
13E1	Feed-IP suction error	<p>[During initialization/normal processing/M-Utility mode] Although the ML1 and PL1 turned ON, the SL5 failed to close, allowing the maximum retry count (NL11) to be exceeded.</p> <p>&lt;I/O name&gt; • ML1; Suction cup drive motor • PL1; IP suction pump • SL5; Suction sensor</p> <p>&lt;Reference&gt; MD-8.2.2/8.4.1</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13E1 (MT-4).</li> <li>• Check the IP.</li> <li>• Check the PL1 (MT-7.29/MU-4.6/MC-5.12).</li> <li>• Check the SL5 (MT-7.8/MU-4.6/MC-5.14).</li> <li>• Check the suction cups and hose (MC-5.11/SP-04).</li> <li>• Check the cassette set unit mechanism (MD-5.1/MC-4).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-25	D-5
13E2	Feed-IP dropped	<p>[During initialization/normal processing/M-Utility mode] Although the ML2 turned ON after feed-IP suction, the SL5 failed to close.</p> <p>&lt;I/O name&gt; • ML2; IP transport motor • SL5; Suction sensor</p> <p>&lt;Reference&gt; MD-8.2.2/8.5.6/8.4.1</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13E2 (MT-4).</li> <li>• Check the IP.</li> <li>• Check the SVL1 (MT-7.30/MU-4.6/MC-5.2).</li> <li>• Check the PL1 (MT-7.29/MU-4.6/MC-5.12).</li> <li>• Check the SL5 (MT-7.8/MU-4.6/MC-5.14).</li> <li>• Check the suction cups and hose (MC-5.11/SP-04).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-25	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
13E3	Feed-IP grip error	<p>[During normal processing/M-Utility mode] Although the ML2 turned ON after feed-IP suction, the SL2 failed to close. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt; • ML2; IP transport motor • SL2; Cassette inlet IP sensor</p> <p>&lt;Reference&gt; MD-8.2.2/8.4.1/8.5.6</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13E3 (MT-4).</li> <li>• Check the IP.</li> <li>• Check the ML1 (MT-7.18/MU-4.6/MC-5.17).</li> <li>• Check the ML2 (MT-7.19/MU-4.6/MC-5.22).</li> <li>• Check the SL2 (MT-7.6/MU-4.6/SP-04).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-26	D-5
13E4	Load IP suction error	<p>[During initialization/normal processing/abnormality processing] Although the ML1 and PL1 turned ON, the SL5 failed to close, allowing the maximum retry count (NL11) to be exceeded.</p> <p>&lt;I/O name&gt; • ML1; Suction cup drive motor • PL1; IP suction pump • SL5; Suction sensor</p> <p>&lt;Reference&gt; MD-8.2.17/8.4.1</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13E4 (MT-4).</li> <li>• Check the IP.</li> <li>• Check the PL1 (MT-7.29/MU-4.6/MC-5.12).</li> <li>• Check the SL5 (MT-7.8/MU-4.6/MC-5.14).</li> <li>• Check the suction cups and hose (MC-5.11/SP-04).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-25	D-5
13E5	Load IP dropped	<p>[During initialization/normal processing/M-Utility mode] Although the ML1 turned ON, the SL5 failed to close.</p> <p>&lt;I/O name&gt; • ML1; Suction cup drive motor • SL5; Suction sensor</p> <p>&lt;Reference&gt; MD-8.2.17/8.4.1</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13E5 (MT-4).</li> <li>• Check the IP.</li> <li>• Check the SL5 (MT-7.8/MU-4.6/MC-5.14).</li> <li>• Check the PL1 (MT-7.29/MU-4.6/MC-5.12).</li> <li>• Check the SVL1 (MT-7.30/MU-4.6/MC-5.2).</li> <li>• Check the suction cups and hose (MC-5.11/SP-04).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-25	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
13E9	IP leak error	<p><i>[During normal processing/M-Utility mode]</i> Although the PL1 turned OFF and the SVL1 turned ON, the SL5 failed to open. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• PL1; IP suction pump</li> <li>• SVL1; IP suction relief solenoid valve</li> <li>• SL5; Suction sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.17</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13E9 (MT-4).</li> <li>• Check the SVL1 (MT-7.30/MU-4.6/MC-5.2).</li> <li>• Check the PL1 (MT-7.29/MU-4.6/MC-5.12).</li> <li>• Check the SL5 (MT-7.8/MU-4.6/MC-5.14).</li> <li>• Check the suction cups and hose (MC-5.11/SP-04).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-25	D-5
13F3	Cassette barcode reading error	<p><i>[During normal processing]</i> The BCRN1 is turned ON, but fails to read the IP barcode information, allowing the maximum retry count (NK21) to be exceeded.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• BCRN1; Barcode reader</li> </ul> </p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 13F3 (MT-4).</li> <li>• Check the BCRN1 (MT-7.33/MC-8.3).</li> <li>• Check the IP.</li> <li>• Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-30	D-5
1490	Menu unregistration error	<p><i>[During normal processing]</i> It was found that the image reading parameter menu was not registered for the IDT.</p>	<ul style="list-style-type: none"> <li>• Upload (IDT Utility). the menu into the image reader.</li> </ul>	-	-
1533	Laser power insufficient error 1	<p><i>[During initialization]</i> An abnormality was detected when the laser status was checked.</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 1533 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the LD assembly (MC-9.5).</li> </ul>	MT5-2	E-3

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
1D01	Option invalidated	<i>[During normal processing]</i> A DICOM output generation failure was detected.	<ul style="list-style-type: none"> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the HCP08A board (MT-7.41/MC-15.9).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> </ul>	-	F
1FF0	ISC message error	An ISC message with an unknown destination is queued.	Design analysis error code	-	C+
1FFF	Null transmission to ISC	Null data is sent during ISC message transmission.	Design analysis error code	-	-
2000	File open error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to open a trace data file.	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:</p> <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2001	File write error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to write into a trace data file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A
2002	File close error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to close a trace data file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A
2010	File open error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to open a trace data file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2011	File write error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to write into a trace data file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A
2012	File close error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to close a trace data file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A
2040	Format information error	<i>[During initialization]</i> It was found that the management information in the HDD image area was damaged.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Format the image area of the HDD (MU-4.7).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	e-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2041	Backup data error	<i>[During initialization]</i> Abnormal image management information was detected when an attempt was made to load the backup of HDD image management information.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide: • Format the image area of the HDD (MU-4.7). • Check the HDD (MT-7.42/MC-11).	-	e-1
2042	HD cannot be formatted	<i>[During initialization/M-Utility mode]</i> A HDD access error was detected when an attempt was made to reformat the HDD image area.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide: • Check the HDD (MT-7.42/MC-11).	-	e-1
2043	Insufficient shared memory	<i>[During initialization]</i> The shared memory was found to be insufficient when the optional functionality was checked.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide: • Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5). • Check the configuration of installed boards.	-	e-3
2044	HD access error	<i>[During normal processing]</i> A HDD access error was detected when an attempt was made to read the format information or image management information in the HDD image region.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide: • Format the image area of the HDD (MU-4.7). • Check the HDD (MT-7.42/MC-11).	-	e-4

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2049	Illegal option selection	<p><i>[During initialization]</i></p> <p>An error was detected when the incorporated optional functions were checked.</p>	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:</p> <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the HCP08A board (MT-7.41/MC-15.9).</li> <li>• Check the IMG08M board (MT-7.41/MC-15.6).</li> <li>• Check the IMG08H board (MT-7.41/MC-15.10).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> </ul>	-	e-3
204A	Image file access error	<p><i>[During normal processing]</i></p> <ul style="list-style-type: none"> <li>• An error was detected when an image file was accessed.</li> <li>• A HDD reset was performed.</li> </ul>	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:</p> <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	e-5



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
204B	SCSI reset error	<i>[During normal processing]</i> A SCSI reset error or HDD reset error was detected.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	e-6
204C	Image file access retry over	<i>[During normal processing]</i> <ul style="list-style-type: none"> <li>• The maximum retry count for image file access was exceeded.</li> <li>• An error was found in a request for HDD access.</li> </ul>	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the MMA90A and MMB90A/DIM08A board (MT-7.41/MC-15/IN-5.5).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	e-5
2060	File open error	<i>[During initialization]</i> An error was detected when an attempt was made to open a configuration file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2061	File format error	<i>[During initialization]</i> An error was found in the format of a configuration file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	A
2062	File setting value error	<i>[During initialization]</i> An error was found in the setting data in a configuration file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	A
2063	File size error	<i>[During initialization]</i> The size of a configuration file was found to be abnormal.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	A

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2064	File write error	<i>[During initialization]</i> An error was detected when an attempt was made to write into a configuration file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A
2065	File close error	<i>[During initialization]</i> An error was detected when an attempt was made to close a configuration file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A
2080	File open error	<i>[During initialization]</i> An error was detected when an attempt was made to open an image processing parameter file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2081	File format error	<i>[During initialization]</i> An error was found in the format of an image processing parameter file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1
2082	File setting value error	<i>[During initialization]</i> An error was found in the setting data in an image processing parameter file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1
2083	FINP data error	<i>[During normal processing]</i> When image ID information was set up, an illegal value was detected and therefore replaced by the default value.	Design analysis error code	-	A-2
2084	FINP data error	<i>[During normal processing]</i> When image ID information was set up, an illegal value was detected but could not be replaced by the default value.	Design analysis error code	-	A-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2085	Serial ID information data error	<i>[During normal processing]</i> When image ID information was set up, an illegal value was detected and therefore replaced by the default value.	Design analysis error code	-	A-2
2086	Image processing table is inappropriate	<i>[During normal processing]</i> An error was found in an image processing table.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:  • Check the external device (DMS).	-	A-3
2087	FINP data error 2	<i>[During normal processing]</i> When image ID information was set up, an illegal value was detected but could not be replaced by the default value.	Design analysis error code	-	A-4
2088	Serial ID information data error	<i>[During normal processing]</i> When image ID information was set up, an illegal value was detected and therefore replaced by the default value.	Design analysis error code	-	A-5
208B	File write error	<i>[During a software update process]</i> Files could not be written onto the HDD.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  • Check the CPU90E board (MT-7.41/MC-15.3). • Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2). • Check the HDD (MT-7.42/MC-11).	-	A-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2150	File open error	<i>[During initialization]</i> An error was detected when an attempt was made to open a configuration file (REMOTE SWITCH).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1
2151	File read error	<i>[During initialization]</i> An error was detected when an attempt was made to read a configuration file (REMOTE SWITCH).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1
2152	File close error	<i>[During initialization]</i> An error was detected when an attempt was made to close a configuration file (REMOTE SWITCH).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2153	File format error	<i>[During initialization]</i> An error was found in the format of a configuration file (REMOTE SWITCH).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	A-1
2154	File setting value error	<i>[During initialization]</i> An error was found in the setting data in a configuration file (REMOTE SWITCH).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	A-1
2160	MTH board error	<i>[During initialization]</i> When the PC boards were checked, the MTH08C/D board was found to be abnormal.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	D-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2161	SCN board error	<i>[During initialization]</i> When the PC boards were checked, the SCN08D board was found to be abnormal.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	D-2
2162	SNS board error	<i>[During initialization]</i> When the PC boards were checked, the SNS08C board was found to be abnormal.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the SCN08C board (MT-7.41/MC-15.11).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	D-2
2163	HCP board error	<i>[During initialization]</i> When the PC boards were checked, the HCP08A board was found to be abnormal.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the HCP08A board (MT-7.41/MC-15.9).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	D-2



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2164	SCN board error	<i>[During initialization]</i> When the PC boards were checked, the SCN08D board was found to be abnormal.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> </ul>	-	D-2
21B3	No output destination host description	<i>[During normal processing]</i> An error was found in the setting data in a configuration file (HOSTS ADDRESS).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:  <ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> </ul>	-	E-1
21B4	Protocol error	<i>[During normal processing]</i> An error was found in the setting data in a configuration file (NETWORK HOST INTERFACE).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:  <ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> </ul>	-	E-1
21B5	Failure to acquire output destination IP address	<i>[During normal processing]</i> An error was found in the setting data in a configuration file (HOSTS ADDRESS).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:  <ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> </ul>	-	E-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
21D0	HD open error	<i>[During initialization]</i> An error was detected when an attempt was made to open a core dump file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  • Check the CPU90E board (MT-7.41/MC-15.3). • Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2). • Check the HDD (MT-7.42/MC-11).	-	A-1
21D1	HD write error	<i>[During initialization]</i> An error was detected when an attempt was made to write abnormality information into a core dump file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  • Check the CPU90E board (MT-7.41/MC-15.3). • Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2). • Check the HDD (MT-7.42/MC-11).	-	A-1
21D2	HD close error	<i>[During initialization]</i> An error was detected when an attempt was made to close a core dump file after abnormality information was written into it.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  • Check the CPU90E board (MT-7.41/MC-15.3). • Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2). • Check the HDD (MT-7.42/MC-11).	-	A-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
21E0	HD open error	<i>[During the power OFF sequence]</i> An error was detected when an attempt was made to open a trace data file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  • Check the CPU90E board (MT-7.41/MC-15.3). • Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2). • Check the HDD (MT-7.42/MC-11).	-	A-1
21E1	HD write error	<i>[During the power OFF sequence]</i> An error was detected when an attempt was made to write trace data into a trace data file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  • Check the CPU90E board (MT-7.41/MC-15.3). • Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2). • Check the HDD (MT-7.42/MC-11).	-	A-1
21E2	HD close error	<i>[During the power OFF sequence]</i> An error was detected when an attempt was made to close a trace data file after trace data was written into it.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  • Check the CPU90E board (MT-7.41/MC-15.3). • Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2). • Check the HDD (MT-7.42/MC-11).	-	A-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
21F0	File open error	<i>[During initialization]</i> An error was detected when an attempt was made to open a subsystem file (MFC).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A
21F1	File read error	<i>[During initialization]</i> An error was detected when an attempt was made to read a subsystem file (MFC).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A
2341	Output image check	<i>[During normal processing]</i> The 18x24 mammo or 24x30 mammo size IP was recognized as a single-side IP for reading processing.	<ul style="list-style-type: none"> <li>• Check the IP and cassette.</li> </ul>	-	D-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23A1	Cassette hold failure retry	<p><i>[During initialization/normal processing]</i> Although the SOLK1 turned OFF, the SK3 failed to close. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• SOLK1; Cassette hold solenoid</li> <li>• SK3; Cassette hold sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.1/8.5.9</p>	If this error frequently occurs, refer to the instructions for Error 13A1.	MT4-1	D-5
23A2	Cassette hold release failure retry	<p><i>[During initialization/normal processing/M-Utility mode/abnormality processing]</i> Although the SOLK1 turned ON, the SK3 failed to open. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• SOLK1; Cassette hold solenoid</li> <li>• SK3; Cassette hold sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.1/8.5.9/8.5.14/8.6.2</p>	If this error frequently occurs, refer to the instructions for Error 03A2/13A2.	MT4-1	D-5
23A8	Non standard IP size	<p><i>[During initialization/normal processing]</i> When the IP size was checked, the CLOSE time combination of the SL4 and SM1 did not agree with the IP size data stored in the machine.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• SL4; Inch/metric sensor</li> <li>• SM1; Before-BCR IP sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.3</p>	If this error frequently occurs, refer to the instructions for Error 03A8/13A8.	MT4-4	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23A9	Barcode read retry	<p><i>[During normal processing]</i> Although the BCRK1 was turned ON, but the barcode information on the IP could not be read. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt; • BCRK1; Barcode reader</p> <p>&lt;Reference&gt; MD-8.2.4</p>	If this error frequently occurs, refer to the instructions for Error 13A9.	MT4-5	D-5
23AA	Initialization erasure lamp failure	<p><i>[During initialization]</i> It was found that the LAMP1/2/3/4/5 were not properly illuminated.</p> <p>&lt;I/O name&gt; • LAMP1/2/3/4/5; Erasure lamps</p>	If this error frequently occurs, refer to the instructions for Error 13AA.	MT4-6	D-3
23B1	Feed conveyance retry	<p><i>[During initialization/normal processing]</i> Although the MN3/MM1/ML2 turned ON, the SM1 failed to close after the SL2 closed. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt; • MN3/MM1/ML2; IP transport motor • SL2; Cassette inlet IP sensor • SM1; Before-BCR IP sensor</p> <p>&lt;Reference&gt; MD-8.2.3</p>	If this error frequently occurs, refer to the instructions for Error 03B1.	MT4-8	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23B2	Load conveyance retry	<p><i>[During initialization/normal processing]</i> Although the ML2/MM1/MN3 turned ON, a retry operation was performed for one of the following reasons:</p> <ul style="list-style-type: none"> <li>• The SL2 failed to close or open.</li> <li>• Although the SL2 opened, the ML2 did not stop normally.</li> </ul> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• ML2/MM1/MN3; IP transport motor</li> <li>• SL2; Cassette inlet IP sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.16</p>	If this error frequently occurs, refer to the instructions for Error 03B2.	MT4-9	D-5
23B3	Side-positioning conveyance entry retry	<p><i>[During initialization/normal processing]</i> Although the MN3 turned ON, the SN3 failed to close.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MN3; IP transport motor</li> <li>• SN3; Side-positioning IP sensor</li> </ul> </p>	If this error frequently occurs, refer to the instructions for Error 03B3.	-	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23BA	Side-positioning HP detection retry	<p><i>[During initialization/normal processing]</i> Although the MN1 turned ON, a retry operation was performed for one of the following reasons:</p> <ul style="list-style-type: none"> <li>• The SN1 failed to close.</li> <li>• After the SN1 closed, the MN1 was returned to the phase origin and turned ON by a predetermined number of pulses, but the SN1 failed to close.</li> </ul> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>• MN1; Side-positioning motor</li> <li>• SN1; Side-positioning mechanism home position sensor</li> </ul> <p>&lt;Reference&gt; MD-8.2.8/8.5.2</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 23BA (MT-4).</li> <li>• Check the MN1 (MT-7.21/MU-4.6/SP-07).</li> <li>• Check the SN1 (MT-7.10/MU-4.6/MC-8.4).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-13	D-5
23BB	Side-positioning HP detection preparation retry	<p><i>[During initialization/normal processing]</i> Although the MN1 turned ON to prepare for side-positioning mechanism home positioning, the SN1 failed to close. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>• MN1; Side-positioning motor</li> <li>• SN1; Side-positioning mechanism home position sensor</li> </ul> <p>&lt;Reference&gt; MD-8.2.8/8.5.2</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 23BB (MT-4).</li> <li>• Check the MN1 (MT-7.21/MU-4.6/SP-07).</li> <li>• Check the SN1 (MT-7.10/MU-4.6/MC-8.4).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-13	D-5



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23BC	Side-positioning operation error	<p><i>[During initialization/normal processing/M-Utility mode]</i> Although the MN1 turned ON, the SN1 failed to close.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MN1; Side-positioning motor</li> <li>• SN1; Side-positioning mechanism home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.8/8.4.2/8.5.2</p>	If this error frequently occurs, refer to the instructions for Error 03BC.	MT4-13	D-5
23BD	Side-positioning grip HP detection retry	<p><i>[During initialization/normal processing]</i> Although the MN1 turned ON, a retry operation was performed for one of the following reasons:</p> <ul style="list-style-type: none"> <li>• The SN2 failed to close.</li> <li>• Although the MN2 turned ON after the SN2 closed, the SN2 failed to close.</li> </ul> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MN1; Side-positioning motor</li> <li>• SN2; Grip release home position sensor</li> <li>• MN2; Grip release motor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.11/8.5.1</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 23BD (MT-4).</li> <li>• Check the MN1 (MT-7.21/MU-4.6/SP-07).</li> <li>• Check the MN2 (MT-7.22/MU-4.6/MC-8.2).</li> <li>• Check the SN1 (MT-7.10/MU-4.6/MC-8.4).</li> <li>• Check the SN2 (MT-7.11/MU-4.6/MC-8.5).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-14	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23BE	Side-positioning grip HP detection preparation retry	<p><i>[During initialization/normal processing]</i> Although the MN2 was turned ON, the SN2 failed to close or open. Therefore a retry operation was performed.</p> <p>&lt;I/O name&gt; • MN2; Grip release motor • SN2; Grip release home position sensor</p> <p>&lt;Reference&gt; MD-8.2.11/8.5.1</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 23BE (MT-4).</li> <li>• Check the MN2 (MT-7.22/MU-4.6/MC-8.2).</li> <li>• Check the SN2 (MT-7.11/MU-4.6/MC-8.5).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-14	D-5
23BF	Side-positioning grip operation error	<p><i>[During normal processing]</i> Although the MN2 turned ON, the SN2 failed to close.</p> <p>&lt;I/O name&gt; • MN2; Grip release motor • SN2; Grip release home position sensor</p> <p>&lt;Reference&gt; MD-8.2.11</p>	If this error frequently occurs, refer to the instructions for Error 03BF.	MT4-14	D-5
23C5	FFM drive W.F. disorder	<p><i>[During normal processing]</i> When the SNS08C board checked the drive status of the MZ1, the motor rotating speed signal was found to be abnormal.</p> <p>&lt;I/O name&gt; • MZ1; Subscanning motor</p> <p>&lt;Reference&gt; MD-8.2.11</p>	<ul style="list-style-type: none"> <li>• Check the MZ1 (MT-7.25/MC-10.6).</li> <li>• Check the subscanning unit mechanism (MD-5.5/MC-10).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	-	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23C6	Drive shaft grip operation error	<p><i>[During normal processing]</i> The elapsed time between the instant at which the MZ2 was turned ON and the instant at which the SZ2 opened deviated from the specified value.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MZ2; Drive shaft grip motor</li> <li>• SZ2; Drive-side grip release home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.11/8.5.4/8.5.11</p>	If this error frequently occurs, refer to the instructions for Error 03C6.	MT4-17	D-5
23C7	Driven grip release operation error	<p><i>[During normal processing]</i> The elapsed time between the instant at which the MZ3 was turned ON and the instant at which the SZ3 opened deviated from the specified value.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MZ3; Driven shaft grip motor</li> <li>• SZ3; Driven-side grip release home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.11/8.2.14/8.5.4/8.5.11</p>	If this error frequently occurs, refer to the instructions for Error 03C7.	MT4-18	D-5
23C8	Drive shaft grip drive speed correction error	<p><i>[During initialization]</i> When the driving shaft grip operation was subjected to self-diagnosis, a grip drive speed correction error was found.</p>	If this error frequently occurs, refer to the instructions for Error 03C8.	-	D-5
23C9	Driven shaft grip release drive speed correction error	<p><i>[During initialization]</i> When the driven shaft grip operation was subjected to self-diagnosis, a grip drive speed correction error was found.</p>	If this error frequently occurs, refer to the instructions for Error 03C9.	-	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23D3	Before-erasure conveyance retry	<p><i>[During normal processing]</i> Although the MM1/MN3 turned ON, the SM1 failed to close.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• MM1/MN3; IP transport motor</li> <li>• SM1; Before-BCR IP sensor</li> </ul> </p>	If this error frequently occurs, refer to the instructions for Error 03D3.	-	D-5
23E1	Feed-IP suction failure retry	<p><i>[During normal processing/M-Utility mode]</i> Although the ML1 and PL1 turned ON, the SL5 failed to close. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• ML1; Suction cup drive motor</li> <li>• PL1; IP suction pump</li> <li>• SL5; Suction sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.2/8.4.1</p>	If this error frequently occurs, refer to the instructions for Error 13E1.	MT4-25	D-5
23E2	Feed-IP drop retry	<p><i>[During initialization/normal processing/M-Utility mode]</i> Although the ML2 turned ON, the SL5 failed to close. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• ML2; IP transport motor</li> <li>• SL5; Suction sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.2/8.4.1/8.5.6/</p>	If this error frequently occurs, refer to the instructions for Error 13E2.	MT4-25	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23E3	Feed-IP grip retry	<p><i>[During normal processing/M-Utility mode]</i> Although the ML2 turned ON, after feed-IP suction, the SL2 failed to close. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• ML2; IP transport motor</li> <li>• SL2; Cassette inlet IP sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.2/8.4.1/8.5.6</p>	If this error frequently occurs, refer to the instructions for Error 13E3.	MT4-26	D-5
23E4	Load IP suction failure retry	<p><i>[During initialization/normal processing/abnormality processing]</i> Although the ML1 and PL1 turned ON, the SL5 failed to close. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• ML1; Suction cup drive motor</li> <li>• PL1; IP suction pump</li> <li>• SL5; Suction sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.17/8.4.1</p>	If this error frequently occurs, refer to the instructions for Error 13E4.	MT4-25	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23E5	Load IP drop retry	<p><i>[During initialization/normal processing/abnormality processing]</i> Although the ML1 and PL1 turned ON, the SL5 failed to close. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• ML1; Suction cup drive motor</li> <li>• PL1; IP suction pump</li> <li>• SL5; Suction sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.17/8.4.1</p>	If this error frequently occurs, refer to the instructions for Error 13E5.	MT4-25	D-5
23E6	Suction cup HP detection preparation retry	<p><i>[During initialization/normal processing/M-Utility mode/abnormality processing]</i> Although the ML1 was turned ON to perform suction cup home positioning, the SL1 failed to close or open. Therefore a retry operation was performed.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>• ML1; Suction cup drive motor</li> <li>• SL1; Suction cup home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.2/8.5.7</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 23E6 (MT-4).</li> <li>• Check the ML1 (MT-7.18/MU-4.6/MC-5.17).</li> <li>• Check the SL1 (MT-7.5/MU-4.6/MC-5.3).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-27	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23E7	Suction cup HP detection retry	<p><i>[During initialization/normal processing/M-Utility mode/abnormality processing]</i> Although the ML1 turned ON, the SL1 failed to close. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>• ML1; Suction cup drive motor</li> <li>• SL1; Suction cup home position sensor</li> </ul> <p>&lt;Reference&gt; MD-8.2.2/8.5.7</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 23E7 (MT-4).</li> <li>• Check the ML1 (MT-7.18/MU-4.6/MC-5.17).</li> <li>• Check the SL1 (MT-7.5/MU-4.6/MC-5.3).</li> <li>• Check the IP removal unit mechanism (MD-5.2/MC-5).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-27	D-5
23E8	Suction cup HP return error	<p><i>[During initialization/normal processing/abnormality processing]</i> Although the ML1 turned ON, the SL1 failed to close.</p> <p><i>[During initialization/normal processing/M-Utility mode]</i> Although the PL1 and SVL1 turned ON, the SL1 failed to close.</p> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>• ML1; Suction cup drive motor</li> <li>• SL1; Suction cup home position sensor</li> <li>• PL1; IP suction pump</li> <li>• SVL1; IP suction relief solenoid valve</li> </ul> <p>&lt;Reference&gt; MD-8.2.2/8.2.17/8.4.1/8.5.6</p>	If this error frequently occurs, refer to the instructions for Error 03E8.	MT4-27	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23E9	IP suction relief error	<p><i>[During normal processing/M-Utility mode]</i> Although the SVL1 turned ON, the SL5 failed to open. Therefore, a retry operation was performed.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>SVL1; IP suction relief solenoid valve</li> <li>SL5; Suction sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.2</p>	If this error frequently occurs, refer to the instructions for Error 13E9.	MT4-25	D-5
23EA	Cleaning guide HP detection retry	<p><i>[During normal processing]</i> The MN4 turned ON, but the SN4 failed to close.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>MN4; Cleaning guide drive motor</li> <li>SN4; Cleaning guide home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.7/8.5.5</p>	<ul style="list-style-type: none"> <li>Perform the analysis flow for Error 23EA (MT-4).</li> <li>Check the MN4 (MT-7.24/MU-4.6/MC-8.6).</li> <li>Check the SN4 (MT-7.13/MU-4.6/MC-8.9).</li> <li>Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-28	D-5
23EB	Cleaning guide HP detection preparation retry	<p><i>[During normal processing]</i> The MN4 turned ON, but the SN4 failed to open.</p> <p>&lt;I/O name&gt;  <ul style="list-style-type: none"> <li>MN4; Cleaning guide drive motor</li> <li>SN4; Cleaning guide home position sensor</li> </ul> </p> <p>&lt;Reference&gt; MD-8.2.7/8.5.5</p>	<ul style="list-style-type: none"> <li>Perform the analysis flow for Error 23EB (MT-4).</li> <li>Check the MN4 (MT-7.24/MU-4.6/MC-8.6).</li> <li>Check the SN4 (MT-7.13/MU-4.6/MC-8.9).</li> <li>Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-28	D-5



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23EC	Cleaning guide grip release failure retry	<p><i>[During normal processing]</i> The MN4 turned ON, but the SN4 failed to close.</p> <p>&lt;I/O name&gt; • MN4; Cleaning guide drive motor • SN4; Cleaning guide HP sensor</p> <p>&lt;Reference&gt; MD-8.2.7</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 23EC (MT-4).</li> <li>• Check the MN4 (MT-7.24/MU-4.6/MC-8.6).</li> <li>• Check the SN4 (MT-7.13/MU-4.6/MC-8.9).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-28	D-5
23ED	Cleaning guide grip error retry	<p><i>[During normal processing]</i> The MN4 turned ON, but the SN4 failed to open.</p> <p>&lt;I/O name&gt; • MN4; Cleaning guide drive motor • SN4; Cleaning guide HP sensor</p> <p>&lt;Reference&gt; MD-8.2.5</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 23ED (MT-4).</li> <li>• Check the MN4 (MT-7.24/MU-4.6/MC-8.6).</li> <li>• Check the SN4 (MT-7.13/MU-4.6/MC-8.9).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-28	D-5
23EE	Cleaning guide grip release failure retry	<p><i>[During normal processing]</i> The SN4 failed to close.</p> <p>&lt;I/O name&gt; • SN4; Cleaning guide HP sensor</p>	If this error frequently occurs, refer to the instructions for Error 03EE.	-	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23F1	Cassette detection logic failure 1 (immediately after cassette setting)	<p><i>[During normal processing]</i> Although the SOLK1 turned OFF, the SK1 opened.</p> <p>&lt;I/O name&gt; • SOLK1; Cassette hold solenoid • SK1; Cassette ejection sensor</p> <p>&lt;Reference&gt; MD-8.2.1</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 23F1 (MT-4).</li> <li>• Check the SOLK1 (MT-7.31/MU-4.6/MC-4.6).</li> <li>• Check the SK1 (MT-7.1/MU-4.6/MC-4.3).</li> <li>• Check the cassette set unit mechanism (MD-5.1/MC-4).</li> <li>• Check the cassette.</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-29	D-5
23F2	Cassette detection logic failure 2 (after up-down movement)	<p><i>[During normal processing]</i> Although the SOLK1 turned OFF, the SK1 opened.</p> <p>&lt;I/O name&gt; • SOLK1; Cassette hold solenoid • SK1; Cassette ejection sensor</p> <p>&lt;Reference&gt; MD-8.2.2</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 23F2 (MT-4).</li> <li>• Check the SOLK1 (MT-7.31/MU-4.6/MC-4.6).</li> <li>• Check the SK1 (MT-7.1/MU-4.6/MC-4.3).</li> <li>• Check the cassette set unit mechanism (MD-5.1/MC-4).</li> <li>• Check the cassette.</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-29	D-5
23F3	Cassette barcode reading retry	<p><i>[During normal processing]</i> Although the BCRK1 was turned ON to read the barcode information on the IP, the retry count (NK21) was exceeded.</p> <p>&lt;I/O name&gt; • BCRK1; Barcode reader</p>	<ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 23F3 (MT-4).</li> <li>• Check the BCRK1 (MT-7.32/MC-4.4).</li> <li>• Check the cassette set unit mechanism (MD-5.1/MC-4).</li> <li>• Check the cassette.</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	MT4-30	D-5

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
23F4	Feed conveyance motor error	<p><i>[During normal processing]</i> Although the MN3 turned ON, the SM1 failed to close.</p> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>• MN3; IP transport motor</li> <li>• SM1; Before-BCR IP sensor</li> </ul>	<ul style="list-style-type: none"> <li>• Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>• Check the SM1 (MT-7.9/MU-4.6/SP-05).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	-	D-5
23F5	Side-positioning conveyance motor error	<p><i>[During normal processing]</i> Although the MN3 turned ON, the SN3 failed to close.</p> <p>&lt;I/O name&gt;</p> <ul style="list-style-type: none"> <li>• MN3; IP transport motor</li> <li>• SN3; Side-positioning IP sensor</li> </ul>	<ul style="list-style-type: none"> <li>• Check the MN3 (MT-7.23/MU-4.6/SP-07).</li> <li>• Check the SN3 (MT-7.12/MU-4.6/MC-8.8).</li> <li>• Check the side-positioning conveyor mechanism (MD-5.4/MC-8).</li> <li>• Check the DRV08A board (MT-7.41/MC-15.11).</li> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> </ul>	-	D-5
23F9	NFB trip detection	<p><i>[During initialization/normal processing]</i> An error was found in the SNS08C board.</p>	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:</p> <ul style="list-style-type: none"> <li>• Check the SNS08C board (MT-7.41/MC-15.11).</li> <li>• Check the power supply (JPS-6) (MT-7.40/MC-13.1).</li> </ul>	-	D-2
2400	File open error	<p><i>[During U-Utility mode]</i> An error was detected when an attempt was made to open a file (CRT test pattern display or like file).</p>	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:</p> <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	E-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2403	File read error	<i>[During initialization]</i> An error was detected when an attempt was made to read a subsystem file (IMG).	If this error frequently occurs, refer to the instructions for Error 0403.	-	E-1
2423	DSP4 image processing error 2	<i>[During normal processing]</i> An image processing error was found in the DSP4 device (IMG07B board) after image data was read from the scanner.	If this error frequently occurs, refer to the instructions for Error 0423.	-	E-2
2437	DSP1 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP1 device (BSP08A board) after image data was read from the scanner.	If this error frequently occurs, refer to the instructions for Error 0437.	-	E-2
2472	DSP2 image processing error 1	<i>[During normal processing]</i> During image reading from the scanner, an image processing error was detected for the DSP2 device (BSP08A board). (Interrupt error during retry)	If this error frequently occurs, refer to the instructions for Error 0472.	-	E-2
2480	EDR data transmission designation error	<i>[During normal processing]</i> An error was detected when an attempt was made to transfer the EDR backup data about a read image.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide: • Check the IP address (MU-4.2).	-	E-4
2481	Connection establishment error	<i>[During normal processing]</i> A connection establishment error was detected when an attempt was made to transfer the EDR backup data about a read image.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide: • Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8). • Check the IP address (MU-4.2).	-	E-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2482	EDR data transmission error	<i>[During normal processing]</i> A connection error was detected while the EDR backup data about a read image was being transferred.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the connected device.</li> </ul>	-	E-7
2490	Menu replacement error	<i>[During normal processing]</i> Although the barcode information and menu were entered via the IDT in accordance with the message after the image was read without being registered via the IDT, no associated menu was found in the image reader. Therefore, the menu code was replaced with the default one.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:  <ul style="list-style-type: none"> <li>• Upload (IDT Utility) the menu into the image reader.</li> </ul>	-	E-8
2530	Interrupt diagnosis error 1 (leading-edge detection)	<i>[During scanner self-diagnosis]</i> It was found that a leading-edge detection interrupt could not be initiated.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2530 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the fuse (F1) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the SZ1 (SED08A board) (MC-10.11).</li> </ul>	MT5-5	E-3

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2531	Interrupt diagnosis error 2 (end of screen)	<i>[During scanner self-diagnosis]</i> It was found that an end-of-screen interrupt could not be initiated.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> </ul>	-	E-3
2535	HV voltage error 1	<i>[During initialization]</i> When the HV voltage status was checked, the output voltage of the high-voltage power supply was found to be abnormal.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2535 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the fuse (F7/F8) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the PHV08D board (MT-7.41/MC-10.20).</li> </ul>	MT5-3	E-3
2542	Polygon mirror error 2	<i>[During normal processing]</i> When the polygon status was checked, the lock signal for the polygon motor was found to be abnormal.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2542 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F6) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the polygon assembly (MC-9.6).</li> </ul>	MT5-1	E-3

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2543	Insufficient laser power error 2	<i>[During normal processing]</i> An error was detected when the laser power status was checked.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2543 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the LD assembly (MC-9.5).</li> </ul>	MT5-2	E-3
2544	Laser power error 2	<i>[During normal processing]</i> An error was detected when the laser status was checked.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2544 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F6) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the LD assembly (MC-9.5).</li> </ul>	MT5-2	E-3
2545	HV voltage error 2	<i>[During normal processing]</i> When the HV voltage status was checked, the output voltage of the high-voltage power supply was found to be abnormal.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2545 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the fuse (F7/F8) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the PMT08D board (MT-7.38/MT-7.41/MC-10.7).</li> </ul>	MT5-3	E-3

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2546	Analog power supply error 2	<i>[During normal processing]</i> An analog power supply voltage error was found on the PMT08D board.	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:</p> <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2546 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F6) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the PMT08D board (MT-7.38/MT-7.41/MC-10.7).</li> </ul>	MT5-3	E-3
2547	Start-point detection error 2	<i>[During normal processing]</i> An error was detected when the start-point detection status was checked.	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:</p> <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2547 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F1, F6-F8) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the SYN08A board (MC-9.7).</li> </ul>	MT5-4	E-3



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2548	IP leading-edge detection error 2	<i>[During normal processing]</i> A timeout was detected when the leading-edge detection status was checked.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide: <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2548 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F1, F6-F8) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the SZ1 (SED08D board) (MC-10.11).</li> </ul>	MT5-5	E-3
2549	Image quit error	<i>[During normal processing]</i> Although an image quit interrupt was executed, a timeout occurred.	If this error frequently occurs, refer to the instructions for Error 0549.	-	E-3
2550	Overexposure detection	<i>[During normal processing]</i> An overexposure (dosage of higher than 400 mR) was detected.  <Reference> MD-8.2.18	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide: <ul style="list-style-type: none"> <li>• Do not use the IP that was found to be overexposed. Use a new IP to make an exposure at an appropriate dosage setting. The overexposed IP must be allowed to stand for about 16 hours and then subjected to a primary erasure process.</li> <li>• If the same error (overexposure detection) occurs during the use of an IP exposed to an appropriate radiation dose, check the PMT08D board (MT-7.38/MT-7.41/MC-10.7).</li> </ul>	-	E-9

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2560	HV voltage error 1	<i>[During initialization]</i> An error was detected for the HV voltage status check.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2560 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the fuse (F7/8) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the PMR08C board (MT-7.39/MT-7.41/MC-10.8).</li> </ul>	MT5-6	E-3
2561	HV voltage error 2	<i>[During normal processing]</i> With the HV voltage status check, an error is detected.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2561 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the fuse (F7/8) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the PMR08C board (MT-7.39/MT-7.41/MC-10.8).</li> </ul>	MT5-6	E-3
2564	Analog power supply error 2	<i>[During normal processing]</i> An analog power supply voltage error was detected on the PMR08C board.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2564 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F6) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the PMR08C board (MT-7.39/MT-7.41/MC-10.8).</li> </ul>	MT5-6	E-3

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2565	Out-of-spec IP	<i>[During normal processing]</i> A 18 x 24 or 24 x 30 mammographic IP was performed with the loaded IP recognized as a single-sided one.	<ul style="list-style-type: none"> <li>• Check the IP and cassette.</li> </ul>	-	D-2
2570	Polygon mirror error 3	<i>[During image read error occurrence]</i> When the polygon status was checked in the event of an image read error, the lock signal for the polygon motor was found to be abnormal.	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:</p> <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2570 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F6) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the polygon assembly (MC-9.6).</li> </ul>	MT5-1	E-3
2571	Insufficient laser power error 3	<i>[During initialization]</i> An abnormality was detected when the laser status was checked.	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:</p> <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2571 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the LD assembly (MC-9.5).</li> </ul>	MT5-2	E-3

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2572	Laser error 3	<i>[During image read error occurrence]</i> An abnormality was detected when the laser status was checked in the event of an image read error.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2572 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F6) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the LD assembly (MC-9.5).</li> </ul>	MT5-2	E-3
2573	Insufficient laser power error 4	<i>[During normal processing]</i> The laser status was found to be abnormal when it was checked before image reading.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2573 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the LD assembly (MC-9.5).</li> </ul>	MT5-2	E-3
2574	Laser error 4	<i>[During normal processing]</i> The laser status was found to be abnormal when it was checked before image reading.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2574 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F6) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the LD assembly (MC-9.5).</li> </ul>	MT5-2	E-3

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2575	Start-point detection error 3	<p><i>[During image read error occurrence]</i></p> <p>An abnormality was detected when the start-point detection status was checked in the event of an image read error.</p>	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:</p> <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2575 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F1, F6-F8) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the SYN08A board (MC-9.7).</li> </ul>	MT5-4	E-3
2576	IP leading-edge detection error 3	<p><i>[During image read error occurrence]</i></p> <p>The IP leading-edge detection signal was found to be abnormal when the leading-edge detection status was checked in the event of an image read error.</p>	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:</p> <ul style="list-style-type: none"> <li>• Perform the analysis flow for Error 2576 (MT-5).</li> <li>• Check the SCN08D board (MT-7.41/MC-10.19).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the fuse (F1, F6-F8) for the power supply (JPS-6) (MD-1.6/MT-7.40/MC-13.2).</li> <li>• Check the SZ1 (SED08D board) (MC-10.11).</li> </ul>	MT5-5	E-3
2713	Unexpected command received	<p><i>[During initialization/normal processing]</i></p> <p>A device driver (SMCU) received an illegal command.</p>	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:</p> <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the external device (IDT).</li> </ul>	-	F

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2714	Serial line test error	<i>[During initialization/normal processing]</i> An error was detected when a line test was conducted.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:  • Check the CPU90E board (MT-7.41/MC-15.3).	-	F
2716	File write error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to access (open/write/close) a device driver (SMCU) file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  • Check the CPU90E board (MT-7.41/MC-15.3). • Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2). • Check the HDD (MT-7.42/MC-11).	-	A-1
271C	SMCU driver hard error	<i>[During initialization/normal processing]</i> An error was found in a device driver (SMCU).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:  • Check the CPU90E board (MT-7.41/MC-15.3).	-	E
2723	Unexpected command received	<i>[During initialization/normal processing]</i> The network received an illegal command.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  • Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8). • Check the CPU90E board (MT-7.41/MC-15.3). • Check the external device (IDT). • Check the network-connected equipment.	-	H

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2725	Connection establishment error	<i>[During initialization/normal processing (ID deletion mode)]</i> An error was detected when an attempt was made to establish the connection with the IDT.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the external device (IDT).</li> <li>• Check the network-connected equipment.</li> </ul>	-	H
2726	Connection establishment error	<i>[During initialization/normal processing (IDT-Utility mode)]</i> An error was detected when an attempt was made to establish the connection with the IDT.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the external device (IDT).</li> </ul>	-	H
2727	Connection establishment error	<i>[During initialization/normal processing]</i> An error was detected when an attempt was made to establish the connection for command reception.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the external device (IDT).</li> <li>• Check the network-connected equipment.</li> </ul>	-	H

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2751	File open error	<i>[During initialization]</i> An error was detected when an attempt was made to open a subsystem file (IIF).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1
2752	File format error	<i>[During initialization]</i> An error was found in the format of a subsystem file (IIF).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1
2753	File write error	<i>[During initialization]</i> An error was detected when an attempt was made to write a subsystem file (IIF).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2754	File read error	<i>[During initialization]</i> An error was detected when an attempt was made to read a subsystem file (IIF).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1
2755	File close error	<i>[During initialization]</i> An error was detected when an attempt was made to close a subsystem file (IIF).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> <li>• Format the HDD and reinstall the software (MU-A1).</li> </ul>	-	A-1
2756	Image processing parameter error	<i>[During normal processing]</i> An error was found in the checksum on an image processing parameter file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Format the HD and reinstall the software (MU-A1).</li> </ul>	-	A-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2757	Image processing parameter error	<i>[During normal processing]</i> An error was found in the format of an image processing parameter file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Format the HD and reinstall the software (MU-A1).</li> </ul>	-	A-1
2758	Image processing parameter error	<i>[During normal processing]</i> An error was found in the setting data in an image processing parameter file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the MTH08C/D board (MT-7.41/MC-15.1/MC-15.2).</li> <li>• Format the HD and reinstall the software (MU-A1).</li> </ul>	-	A-1
2800	Serial line test error	<i>[During initialization]</i> When a line test was conducted, it was found that the character string transmitted was inconsistent with the character string received.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the external device (LP).</li> <li>• Check the external device (LP) cable.</li> </ul>	-	I-8

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2801	Undefined/unexpected command received	<i>[During initialization/normal processing]</i> An undefined or unexpected command was received from the external device (LP).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide: • Check the external device (LP). • Check the external device (LP) cable.	-	I-8
2802	No response from LP	<i>[During initialization/normal processing]</i> The external device (LP) did not respond to a transmission.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide: • Check the external device (LP). • Check the external device (LP) cable.	-	I-8
2803	LP receive command parameter error	<i>[During initialization/normal processing]</i> Although external device (LP) command parameter information was received, an error was found in the received text.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide: • Check the external device (LP). • Check the external device (LP) cable.	-	I-8
2804	Old I/F 14" x 17"/B4 unit judgement error	<i>[During initialization/normal processing]</i> The film used in the external device (LP) could not be identified.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide: • Check the external device (LP). • Check the external device (LP) cable.	-	I-8

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2805	HYPER-DRC+USM image processing ignored	<i>[During normal processing]</i> Although image parameter data (MFP) was entered, an image process could not be performed because the IMG08H board was not detected.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide: • Check the IMG08H board (MT-7.41/MC-15.10).	-	I-9
2806	HYPER-USM image processing ignored	<i>[During normal processing]</i> Although image parameter data (MFP) was entered, an image process could not be performed because the IMG08H board was not detected.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide: • Check the IMG08H board (MT-7.41/MC-15.10).	-	I-9
2807	PEM image processing ignored	<i>[During normal processing]</i> Although image parameter data (PEM) was entered, an image process could not be performed because the IMG08H board was not detected.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide: • Check the IMG08H board (MT-7.41/MC-15.10).	-	I-9
2808	Output warning 1	<i>[During normal processing]</i> A request for 4-image output was issued in relation to B4 film. However, the requested image will be converted to a single image and then generated after the output of all the other currently requested films.	Design analysis error code	-	I-6
2809	Output warning 2	In response to a request for 4-image output, the requested image is converted to a single image and is now being generated.	Design analysis error code	-	I-6
280B	No UID at time of DST output reservation designation	The UID corresponding to the number of frames was not found.	Design analysis error code	-	I-10

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
280C	LIF backup memory clear	<ul style="list-style-type: none"> <li>The backup memory was cleared because the backup memory data was changed by the software update.</li> <li>The backup memory was cleared when initialization was effected immediately after the CPU90E board was replaced due to backup memory destruction.</li> </ul>	If this error frequently occurs, check the CPU90E board (it is conceivable that the backup memory battery may be exhausted).	-	-
280D	Printer connected only for 14x14 film	The connected printer is applicable to 14" x 14" film only (including the cases where this action was taken because of degeneration). Film output cannot be achieved unless the connected printer is set for B4 film or 14" x 17" film.	Design analysis error code	-	-
280E	LP unit configuration information inconsistent	<i>[During normal processing]</i> The recording area for a pixel density of 10 pixels/mm for the selectable film sizes was not found.	<ul style="list-style-type: none"> <li>Check the external device (LP).</li> </ul>	-	I-13
2814	DSP10 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP10 device (IMG08M board).	If this error frequently occurs, refer to the instructions for Error 0814.	-	I-7
2815	DSP10 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP10 device (IMG08M board).	If this error frequently occurs, refer to the instructions for Error 0815.	-	I-7
2816	DSP10 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP10 device (IMG08M board).	If this error frequently occurs, refer to the instructions for Error 0816.	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
281B	DSP11 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP11 device (IMG08M board).	If this error frequently occurs, refer to the instructions for Error 081B.	-	I-7
281C	DSP11 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP11 device (IMG08M board).	If this error frequently occurs, refer to the instructions for Error 081C.	-	I-7
281D	DSP11 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP11 device (IMG08M board).	If this error frequently occurs, refer to the instructions for Error 081D.	-	I-7
2822	DSP20 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP20 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0822.	-	I-7
2823	DSP20 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP20 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0823.	-	I-7
2824	DSP20 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP20 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0824.	-	I-7
2829	DSP21 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP21 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0829.	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
282A	DSP21 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP21 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 082A.	-	I-7
282B	DSP21 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP21 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 082B.	-	I-7
2830	DSP22 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP22 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0830.	-	I-7
2831	DSP22 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP22 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0831.	-	I-7
2832	DSP22 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP22 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0832.	-	I-7
2837	DSP30 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP30 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0837.	-	I-7
2838	DSP30 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP30 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0838.	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2839	DSP30 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP30 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0839.	-	I-7
283E	DSP31 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP31 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 083E.	-	I-7
283F	DSP31 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP31 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 083F.	-	I-7
2840	DSP31 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP31 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0840.	-	I-7
2845	DSP32 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP32 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0845.	-	I-7
2846	DSP32 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP32 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0846.	-	I-7
2847	DSP32 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP32 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0847.	-	I-7



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
284C	DSP23 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP23 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 084C.	-	I-7
284D	DSP23 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP23 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 084D.	-	I-7
284E	DSP23 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP23 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 084E.	-	I-7
2850	Failure to transfer image to LP	An image was not successfully transferred to the external device (LP).	Design analysis error code • Reoutput takes place after the generation of all the previously requested film outputs.	-	I-11
2855	DSP33 checksum error	<i>[During initialization]</i> An error was found in the checksum on the micro program for the DSP33 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0855.	-	I-7
2856	DSP33 self-diagnosis error	<i>[During initialization]</i> An error was detected in the micro program self-diagnosis on the DSP33 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0856.	-	I-7
2857	DSP33 image processing error	<i>[During normal processing]</i> An image processing error was found in the DSP33 device (IMG08H board).	If this error frequently occurs, refer to the instructions for Error 0857.	-	I-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2A00	File open error	<i>[During initialization]</i> An error was detected when an attempt was made to open a file.	If this error frequently occurs, refer to the instructions for Error 0A00.	-	K-1
2A01	File format error	<i>[During initialization]</i> A format error was found in a file that was read into the CPU memory (CPU90E board).	If this error frequently occurs, refer to the instructions for Error 0A01.	-	K-1
2A02	File setting value error	<i>[During initialization]</i> An error was found in the setting data in a file.	If this error frequently occurs, refer to the instructions for Error 0A02.	-	K-1
2A10	Magnetic card reader inoperative	<i>[During initialization/normal processing]</i> The magnetic card reader was found to be inoperative although the employed equipment configuration permits the use of the magnetic card reader.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide: • Check the SNS08C board (MT-7.41/MC-15.11). • Check the magnetic card reader.	-	K-2
2A11	Menu selection method inconsistent	<i>[During initialization/normal processing]</i> Although the routine menu display setup file was absent, the menu selection method stored in the backup memory was inconsistently for routine menu selection.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide: • Check the HDD (MT-7.42/MC-11).	-	K-2
2A12	Set menu definition inconsistent	<i>[During normal processing]</i> Although the routine menu display setup file definition is absent, the definition exists in the set menu file.	• Format the HD and reinstall the software (MU-A1).	-	K-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2A20	Patient information data error	<i>[During normal processing]</i> Improper data was set in the patient information sent from an online-connected unit.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the external device (online-connected unit).</li> </ul>	-	K-3
2A21	Undefined command received	<i>[During initialization/normal processing]</i> An undefined or unimplemented command was received from the online-connected unit.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the external device (online-connected unit).</li> </ul>	-	K-4
2A22	Unexpected command received	<i>[During initialization/normal processing]</i> An unexpected command was received from an online-connected unit.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the external device (online-connected unit).</li> </ul>	-	K-4

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2A23	Serial line test error	<i>[During initialization/normal processing]</i> An error was detected when a serial line test was conducted in relation to an online-connected unit.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the external device (online-connected unit).</li> </ul>	-	K-4
2A24	No response from external unit	<i>[During initialization/normal processing]</i> A requested response to a command did not arrive within a predetermined period of time when communication was conducted with an online-connected unit.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  <ul style="list-style-type: none"> <li>• Check the CPU90E board (MT-7.41/MC-15.3).</li> <li>• Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8).</li> <li>• Check the external device (online-connected unit).</li> </ul>	-	K-4
2A25	Patient information search error (not found)	<i>[During initialization/normal processing]</i> A response indicating that the patient information was not found was received from a type B online-connected unit.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:  <ul style="list-style-type: none"> <li>• Check the external device (online-connected unit).</li> </ul>	-	K-2
2A26	Patient information search timeout	<i>[During initialization/normal processing]</i> A response indicating that a timeout occurred in the search for the patient information was received from a type B online-connected unit.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:  <ul style="list-style-type: none"> <li>• Check the external device (online-connected unit).</li> </ul>	-	K-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2A30	Patient information data error	<i>[During normal processing]</i> It was found that the patient information read by the magnetic card reader was abnormal.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  • Check the SNS08C board (MT-7.41/MC-15.11). • Check the magnetic card. • Check the magnetic card reader.	-	K-3
2A31	Card read error	<i>[During normal processing]</i> An error was detected when the magnetic card was read.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  • Check the SNS08C board (MT-7.41/MC-15.11). • Check the magnetic card. • Check the magnetic card reader.	-	K-6
2A32	Card without relevant search key data item	<i>[During normal processing]</i> It was found that the card read by the magnetic card reader did not contain user-specified search key data.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:  • Check the magnetic card and selected search key type.	-	K-7
2A40	Barcode data error	<i>[During normal processing]</i> It was found that the data read by the barcode reader was abnormal.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:  • Check the barcode reader (MT-7.32/MT-7.33/MC-4.4/MC-8.3) • Check the SNS08C board (MT-7.41/MC-15.11).	-	K-2

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2B18	DSPH image processing error	<i>[During normal processing]</i> A compression/decompression process error was detected.	If this error frequently occurs, refer to the instructions for Error 0B18.	-	L-2
2B30	Compressed/decompressed image left	<i>[During normal processing]</i> A compression/decompression process came to an end although image data was left to be compressed or decompressed.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide: • Check the external device (online-connected unit).	-	L-1
2C40	Unexpected command received	<i>[During normal processing]</i> An unexpected command was received.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide: • Check the external device (online-connected unit).	-	M-3
2C41	Image transfer error	<i>[During normal processing]</i> An error was detected while image data was being transferred.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide: • Check the external device (online-connected unit).	-	M-5
2C42	Connection LAN type changed to 90E	<i>[During initialization]</i> • Since an error was found in the CPU90F board, the initialization process was continuously performed with the board changed to the CPU90E board. • Although the CPU90E board was installed, the CPU90F board was selected in accordance with the configuration setup. Therefore, the initialization process was continuously performed with the board changed to the CPU90E board.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide: • Check the CPU90F/LAN90B board (MT-7.41/MC-15.7/MC-15.8). • Check the configuration settings (MU-4.2).	-	M-6

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2C43	An image transfer failed (after pixel density conversion)	<i>[During normal processing]</i> After pixel density conversation, the output was not successfully generated due to a pixel line abnormality.	<ul style="list-style-type: none"> <li>• Check the external device (LP).</li> </ul>	-	M-3
2CC0	Unexpected command received	<i>[During normal processing]</i> An unexpected command was received.	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:</p> <ul style="list-style-type: none"> <li>• Check the external device (online-connected unit).</li> </ul>	-	M-3
2D00	SCU-related information is illegal	<i>[During initialization]</i> It was found that there was no DICOM information for the local host (DICOM Storage Service SCU).	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:</p> <ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	G-1
2D02	SCP-related information is illegal	<i>[During normal processing]</i> It was found that there was no DICOM information for the output destination host (DICOM Storage Service SCP).	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide:</p> <ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> <li>• Check the HDD (MT-7.42/MC-11).</li> </ul>	-	G-1
2D03	PRINT output not allowed	<i>[During normal processing]</i> It was found that the output destination attribute in the device information was PRINT only.	<p>If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:</p> <ul style="list-style-type: none"> <li>• Check the configuration settings (MU-4.2).</li> </ul>	-	G-1

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2D05	SOP class designation is illegal	<i>[During normal processing]</i> It was found that the output destination host defined in the DICOM information file did not agree with the DICOM soft key in SOP class designation.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide: • Check the configuration settings (MU-4.2).	-	G-1
2D06	Older version of HCP board	<i>[During initialization]</i> It was found that the installed HCP08A board was an old version, which does not support 11-bit output.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide: • Replace the HCP08A board with version G or later (MT-7.41/MC-15.9).	-	F
2D41	Compressed image cannot be accepted	<i>[During normal processing]</i> The external device refused to receive the transmission of a compressed image.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide: • Check the external device (online-connected unit).	-	G-2
2D43	HD full	<i>[During normal processing]</i> It was found that the HDD of the external device was full.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide: • Check the external device (online-connected unit).	-	G-2
2D44	Improper DICOM setup	<i>[During normal processing]</i> The negotiation for association with the output destination failed.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial actions as a guide: • Check the configuration settings (MU-4.2). • Check the external device (online-connected unit).	-	G-2



Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
2D45	Image data transmission error	<i>[During normal processing]</i> An error was detected in an image data transmission.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:  • Check the CPU90E board (MT-7.41/MC-15.3).	-	G-2
2D50	File open error	<i>[During normal processing]</i> An error was detected when an attempt was made to open a file.	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:  • Check the CPU90E board (MT-7.41/MC-15.3).	-	A
2D51	File write error	<i>[During normal processing]</i> An error was detected when an attempt was made to write a subsystem file (DOT).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:  • Check the HDD (MT-7.42/MC-11).	-	A
2D52	File close error	<i>[During normal processing]</i> An error was detected when an attempt was made to close a subsystem file (DOT).	If this error frequently occurs or is followed by a fatal error, use the following suggested remedial action as a guide:  • Check the HDD (MT-7.42/MC-11).	-	A
3080	User setup standard gamma parameter resetting	<i>[During software update]</i> The MPM code for user setup standard gamma parameter data coincidence did not exist. Therefore, the user setup standard gamma parameter data was replaced with the standard parameter data having a different MPM code.	Design analysis error code	-	A-7

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
30A0	LAN analysis information	An error was found in a LAN task (main side or LAN side).	Design analysis error code	-	E-1+
30C0	Setup function error	An error was found in the setup for SMCU.	Design analysis error code	-	A+
30C1	Break reset error	A break reset error was detected.	Design analysis error code	-	A+
30C2	Break setup error	A break setup error was detected.	Design analysis error code	-	A+
30C3	Send error	An error was found in a transmission process.	Design analysis error code	-	A+
30C4	Receive error	An error was found in a reception process.	Design analysis error code	-	A+
3717	SMCU transmission error	A command transmission error was found at a device driver (SMCU).	Design analysis error code	-	E
3718	Receive line break detection	A receive line break-ON signal was received.	Design analysis error code	-	F
3719	Serial line test error	A timeout occurred when a control line test response was awaited.	Design analysis error code	-	F
371A	Serial line test error	A timeout occurred when an operation permission command response was awaited.	Design analysis error code	-	F
371B	SMCU transmission error	A timeout occurred when a data block transfer response was awaited.	Design analysis error code	-	F
3728	Network reception error	Data reception over the network failed.	Design analysis error code	-	H

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
3729	Error detection during ID delete response wait	<ul style="list-style-type: none"> <li>• A timeout occurred when an ID deletion response to the network IDT was awaited.</li> <li>• An error was detected in the content of the data received from the network IDT.</li> </ul>	Design analysis error code	-	H
372B	Network transmission error	Although an ID acquisition request was issued to the network IDT, a transmission completion notification error was detected.	Design analysis error code	-	H
372C	Network transmission error	Although an ID deletion request was issued to the network IDT, a transmission completion notification error was detected.	Design analysis error code	-	H
372D	Network transmission error	Although IDT utility information was transmitted to the network IDT, a transmission completion notification error was detected.	Design analysis error code	-	H
3751	File setting value error	An error was found in a setting (SIOSETUP.IDT) contained in a subsystem file (IIF).	Design analysis error code	-	A-1
3800	Receive line break detection	A receive line break was detected.	Design analysis error code	-	I-6
3801	LP status error	A line error was found in an external device (LP).	Design analysis error code	-	I-6
3802	LP level 0 error	The system of an external device (LP) was found to be down.	Design analysis error code	-	I-6
3803	LP error recovery failure	An external device (LP) failed in its attempt to achieve error recovery.	Design analysis error code	-	I-6

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
3804	Character string transmission error	Although a character string was transmitted to an external device (LP), a transmission completion error was detected.	Design analysis error code	-	I-8
3805	No FINP ID	ID information (Finp) was not found.	Design analysis error code	-	I-12
3806	Board insertion error	The IMG08M board (for 5000MA) was installed in the machine.	Design analysis error code	-	-
3A50	Transmission line data-link layer error	<i>[During initialization/normal processing]</i> An abnormal termination occurred while a message was being transmitted.	Design analysis error code	-	K-6
3A51	Receive line break-ON detection	<i>[During initialization/normal processing]</i> A receive line break was detected.	Design analysis error code	-	K-2
3C60	Socket acquisition function error	An error was found in the socket acquisition function (js_socket).	Design analysis error code	-	M-4
3C61	Connect function error	An error was found in the connect function (js_connect).	Design analysis error code	-	M-4
3C62	BIND function error	An error was found in the BIND function (js_bind).	Design analysis error code	-	M-4
3C63	LISTEN function error	An error was found in the LISTEN function (js_listen).	Design analysis error code	-	M-4
3C64	ACCEPT function error	An error was found in the ACCEPT function (js_accept).	Design analysis error code	-	M-4
3C65	Connect error	An error was found in a request for control line connection.	Design analysis error code	-	M-3

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
3C66	Transmission completion error	An error was found in a transmission of the FINP command.	Design analysis error code	-	M-3
3C67	Reception completion error	An error was found in a data reception from an external device.	Design analysis error code	-	M-3
3C68	Socket number zero	The socket number acquired with the socket acquisition function (js_socket) was zero.	Design analysis error code	-	-
3C69	Not transferable to transmission task	A message could not be transferred to a transmission task due to an illegal socket number.	Design analysis error code	-	-
3C6A	Error on the receiving end	An error occurred in an external device.	Design analysis error code	-	M-3
3C70	LAN initialization timeout	The CPU90F/LAN90B board did not respond.	Design analysis error code	-	-
3C71	LAN board initialization error	A PC board program could not be loaded from the CPU90E board because the CPU90F/LAN90B board did not start up.	Design analysis error code	-	M-4
3CE0	Socket acquisition function error	An error was found in the socket acquisition function (js_socket).	Design analysis error code	-	M-4
3CE1	Connect function error	An error was found in the connect function (js_connect).	Design analysis error code	-	M-4
3CE2	BIND function error	An error was found in the BIND function (js_bind).	Design analysis error code	-	M-4
3CE3	LISTEN function error	An error was found in the LISTEN function (js_listen).	Design analysis error code	-	M-4

Code	Name	Significance/Occurrence Condition	Probable Cause/Remedy	Analysis flow	Detail
3CE4	ACCEPT function error	An error was found in the ACCEPT function (js_accept).	Design analysis error code	-	M-4
3CE5	Connect error	An error was found in a request for data line connection.	Design analysis error code	-	M-3
3CE6	Transmission completion error	An error was found in a transmission of the FINP command.	Design analysis error code	-	M-3
3CE7	Reception completion error	An error was found in a data reception from an external device.	Design analysis error code	-	M-3
3CE8	Socket number zero	The socket number acquired with the socket acquisition function (js_socket) was zero.	Design analysis error code	-	-
3CE9	Not transferable to reception task	A message could not be transferred to a reception task due to an illegal socket number.	Design analysis error code	-	-
3CEA	Multi-frame timeout	In a multi-frame image reception sequence, more than 90 seconds elapsed between the reception of the data of a frame and the reception of the data of the next frame.	Design analysis error code	-	M-3
3CEB	All image data not received	The reception process came to an end although the image data to be received was not completely received for all sizes.	Design analysis error code	-	M-3
3D40	Line error	<i>[During normal processing]</i> A network line error was detected.	Design analysis error code	-	G-2

### 3. Format of Detail Information

Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
A	AAAA.BBBBBBBB.CCC.DDDD	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Character string of variable length (up to 8 characters)	File name	
		CCC	Character string of fixed length (3 characters)	Extension	Blank if there is no extension.
		DDDD	Four decimal digits	Line number	"_ _ _ _" is used if line number cannot be obtained as with a binary file.
A+	AAAA.BBB.CCCC	AAAA	Four hexadecimal digits	Error code	
		BBB	Three-digit character string	Subsystem name	Requesting subsystem
		CCCC	Four hexadecimal digits	Error status	Return value from a driver (for analysis)
A-1	AAAA.BBBBBBBB.CCC.DDDD	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Character string of variable length (up to 8 characters)	File name	
		CCC	Character string of fixed length (3 characters)	Extension	Blank if there is no extension.
		DDDD	Four decimal digits	Line number	"_ _ _ _" is used if line number cannot be obtained as with a binary file.
A-2	AAAA.BBBB.CCCC.DD DD.EEEE.FF__FF	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	FINP group number	(For analysis)
		CCCC	Four hexadecimal digits	FINP element number	(For analysis)
		DDDD	Four hexadecimal digits	FINP data length	(For analysis)
		EEEE	Character string of fixed length (4 characters)	FCR image ID	"_ _ _ _" is used if there is no FCR image ID. "_ _" is used if the data length is 0.
		FF__FF	Hexadecimal dump of variable length	Original data	Blank if there is no extension (for analysis)

Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
A-3	AAAA.BBBB.CCCC.DD DD.EEEE.FFFF.GGGG. HHHH.IIII.JJJJJJJJ.K KKKKKKKKKK	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	FINP group number	(For analysis)
		CCCC	Four hexadecimal digits	FINP element number	(For analysis)
		DDDD	Four hexadecimal digits	FINP data length	(For analysis)
		EEEE	Four hexadecimal digits	Coordinate point count (left)	"_ _ _ _" when no coordinate point exists or no abnormality exists (for analysis).
		FFFF	Four hexadecimal digits	Coordinate point count (right)	"_ _ _ _" when no coordinate point exists or no abnormality exists (for analysis).
		GGGG	Four hexadecimal digits	Unsharp mask value (left)	"_ _ _ _" when the unsharp mask value (left) does not exist or no abnormality exists.
		HHHH	Four hexadecimal digits	Unsharp mask value (right)	"_ _ _ _" when the unsharp mask value (right) does not exist or no abnormality exists.
		IIII	Character string of fixed length (4 characters)	FCR image ID	"_ _ _ _" when the FCR image ID does not exist.
		JJJJJJJJJ	Character string of fixed length (10 characters)	Patient ID	"_ _ _ _ _ _ _ _ _ _" when the patient ID does not exist.
		KKKKKKKKKK	Character string of fixed length (10 characters)	Exposure date	"_ _ _ _ _ _ _ _ _ _" when YYYY.MM.DD does not exist or cannot be acquired.
A-4	AAAA.BBBB.CCCC.DD DD.EEEE.FFFFFFFFFF FFFFFFF.GGGGGGGGGG G.HH__HH	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	FINP group number	(For analysis)
		CCCC	Four hexadecimal digits	FINP element number	(For analysis)
		DDDD	Four hexadecimal digits	FINP data length	(For analysis)
		EEEE	Character string of fixed length (4 characters)	FCR image ID	
		FFFFFFFFFFFFFFFF	Character string of fixed length (16 characters) NOTE) 10 characters for A03 or earlier	Patient ID	
		GGGGGGGGGGGG	Character string of fixed length (10 characters)	Exposure date	
		HH__HH	Hexadecimal dump of variable length	Original data	Original data "_ _" is used if the data length is 0. (for analysis)
A-5	AAAA.BBBB.CC__CC	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	Data start position	(For analysis)
		CC__CC	Hexadecimal dump of variable length	Original data	_ _ is used if the data length is 0. (for analysis)



Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
A-6	AAAA.BBBB.CCCCCC CCC.DDDDDDDDDDD.E EEE.FF__FF	AAAA	Four hexadecimal digits	Error code	
		BBBB	Character string of fixed length (4 characters)	FCR image ID	"_ _ _ _" if an unsharp mask value does not exist or is normal.
		CCCCCCCCC	Character string of fixed length (10 characters)	Patient ID	"_ _ _ _" if an unsharp mask value does not exist or is normal.
		DDDDDDDDDD	Character string of fixed length (10 characters)	Exposure date	YYYY.MM.DD " _ _ _ _ _ _ _ _" if an exposure date does not exist.
		EEEE	Four hexadecimal digits	Data start position	(For analysis)
		FF__FF	Hexadecimal dump of variable length	Original data	"_ _" is used if the data length is 0. (for analysis)
A-7	AAAA.BBBB	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	MPM code	
A-8	AAAA.B	AAAA	Four hexadecimal digits	Error code	
		B	One hexadecimal digit	Slot number	(For analysis)
B	AAAA.BB.CCCC.DDDD DD.EEEEE.FFFFFF.G GGGG.HHHHHH.IIIII.JJ JJJJ.KKKKKK	AAAA	Four hexadecimal digits	Error code	
		BB	Two hexadecimal digits	DSP number	
		CCCC	Four hexadecimal digits	Function or end-of-message status	(For analysis)
		DDDDDD__KKKKKK	Hexadecimal	DSP detail code	(For analysis)
C	AAAA.B.CCCC	AAAA	Four hexadecimal digits	Error code	
		B	Hexadecimal	DMA channel number	(For analysis)
		CCCC	Four hexadecimal digits	Function or end-of-message status	(For analysis)
C+	AAAA.BB__BB.CC__CC	AAAA	Four hexadecimal digits	Error code	
		BB__BB	Character string of variable length	Information on error detection task, etc.	(For analysis)
		CC__CC	Character string of variable length	Error ISC message	(For analysis)
D	AAAA.BBBB.CC	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	Image UID	Unique number for image control purposes.
		CC	Two hexadecimal digits	File descriptor	(For analysis)

Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
D-1	AAAA.BBBBBBBB.CCC.DDDD	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Character string of variable length (up to 8 characters)	File name	
		CCC	Character string of fixed length (3 characters)	Extension	Blank if there is no extension.
		DDDD	Four decimal digits	Line number	“ _ _ _ ” is used if line number cannot be obtained
D-2	AAAA	AAAA	Four hexadecimal digits	Error code	
D-3	AAAA.BB	AAAA	Four hexadecimal digits	Error code	
		BB	Two hexadecimal digits	Status	
D-4	AAAA.BBBB	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	Image UID	Unique number for image control purposes.
D-5	AAAA.BB__BB.CCCC.CCCC.D.E.F.G.H.I.J.KK.KK.LLLL.MMMM	AAAA	Four hexadecimal digits	Error code	
		BB__BB		Sensor status (37 locations)	For the number of each sensor assigned sequentially, starting with SK1, see “3.1 Supplementary Explanation of Detail Information.” 0: OPEN 1: CLOSE
		CCCCCCCC	Eight decimal digits	Barcode	
		D	One decimal digit	Shelf position	Fixed at “1”.
		E	One decimal digit	IP size	1: H (35*43) 2: DK (35*35) 3: 4 (10*12) 4: 6 (8*10) 5: 18*24ST 6: 24*30ST 7: 18*24 HR 8: 24*30 HR 9: 18*24 HR dual-side A: 24*30 HR dual-side

Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
D-5	AAAA.BB__BB.CCCC CCCC.D.E.F.G.H.I.J.KK KK.LLLL.MMMM	F	One hexadecimal digit	Erase speed table number	0: No limitation 1: X-ray dosage (ST 0-25 mR) (HR 0-200 mR) 2: X-ray dosage (ST 25-40 mR) (HR 200-300 mR) 3: X-ray dosage (ST 40-63 mR) (HR 300-400 mR) 4: X-ray dosage (ST 63-85 mR) (HR 400-600 mR) 5: X-ray dosage (ST 85-120 mR) (HR 600-800 mR) 6: X-ray dosage (ST 120-200 mR) (HR 800-1000 mR) 7: X-ray dosage (ST 200-250 mR) (HR 1000-1300 mR) 8: X-ray dosage (ST 250-300 mR) (HR 1300-1600 mR) 9: X-ray dosage (ST 300-350 mR) (HR 1600-2000 mR) A: X-ray dosage (ST 350-400 mR) (HR 2000-2500 mR) B: X-ray dosage (ST 400 mR -) (HR 2500-3200mR) C: X-ray dosage (HR 3200-4000mR) D: X-ray dosage (HR 4000mR -)
		G	One hexadecimal digit	Failed motor number	For the number of each sensor assigned sequentially, starting with ML1, see "3.1 Supplementary Explanation of Detail Information."
		H	One hexadecimal digit	Failed motor number	
		I	One hexadecimal digit	Failed motor number	
		J	One hexadecimal digit	Subscanning mode number	0: Raid conveyance speed 1: ST conveyance speed 2: HR conveyance speed
		KKKK	Four decimal digits	Driving shaft grip operation time	
		LLLL	Four decimal digits	Driven shaft grip release operation time	
		MMMM	Four decimal digits	Subscanning motor failure timing	Timing from the start of reading to the occurrence of failure (in 10 msec).
d	AAAA.BCD	AAAA	Four hexadecimal digits	Error code	
		B	One hexadecimal digit	Film output unit status	
		C	One hexadecimal digit	Temporary storage device status	
		D	One hexadecimal digit	Permanent storage device status	

Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
DST-1	AAAA.B.C.DDDD.EEEE. FFFF.GGGG	AAAA	Four hexadecimal digits	Error code	
		B	One hexadecimal digit	Image UID	
		C	One hexadecimal digit	Number of image UIDs	
		DDDD__GGGG	Four hexadecimal digits	Image UID (for the number of image UIDs)	
E	AAAA.BBBB	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	End status for function or message	(For analysis)
E-1	AAAA.BBBBBBBB.CCC. DDDD	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Character string of variable length (up to 8 characters)	File name	
		CCC	Character string of fixed length (3 characters)	Extension	Blank if there is no extension.
		DDDD	Four decimal digits	Line number	"_ _ _ _" is used if line number cannot be obtained as with a binary file.
E-1+	AAAA.BBB.CCCCCCCC. DDDDDDDD.EEEEEEE E.FFFFFFFF	AAAA	Four hexadecimal digits	Error code	
		BBB	Character string of fixed length (3 characters)	Subsystem name	Command-requesting subsystem
		CCCCCCCC	Character string of fixed length (8 characters)	Command name	Requested command (for analysis)
		DDDDDDDD	Eight hexadecimal digits	Error detail code	(For analysis)
		EEEEEEEE	Eight hexadecimal digits	Socket number	(For analysis) Task ID for a DICOM process.
		FFFFFFF	Eight hexadecimal digits	Analysis error code	OS error code or DICOM common software error code (for analysis)
E-2	AAAA.BB.CCCC.DDDD DD.EEEEE.EFFFFFFF.G GGGGG.HHHHHH.IIIII. JJJJJ.KKKKKK	AAAA	Four hexadecimal digits	Error code	
		BB	Two hexadecimal digits	DSP number	
		CCCC	Four hexadecimal digits	End status	(For analysis)
		DDDDDD__KKKKKK	Six hexadecimal digits	DSP internal detail code	"_ _ _ _" is used if it cannot be obtained. (for analysis)

Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
E-3	AAAA.BB.CC.DDDD.E.F.G	AAAA	Four hexadecimal digits	Error code	
		BB	Two hexadecimal digits	Scanner status port 1	(For analysis)
		CC	Two hexadecimal digits	Scanner status port 2	(For analysis)
		DDDD	Four decimal digits	Error detection timing	The time from the start of reading (leading-edge detection) to the detection of error, measured in 10 msec. If it cannot be obtained, " _ _ _ _ " is used.
		E	One hexadecimal digit	SD3 sensor status	' _ ' is used when it cannot be obtained.
		F	Character of fixed length (one character)	Reading mode	G: ST R: HR _ : Used when it cannot be obtained.
		G	One hexadecimal digit	IP size	' _ ' is used when it cannot be obtained.
E-4	AAAA	AAAA	Four hexadecimal digits	Error code	
E-5	AAAA.B.CCCC	AAAA	Four hexadecimal digits	Error code	
		B	One hexadecimal digit	DMA channel number	(For analysis)
		CCCC	Four hexadecimal digits	End status	(For analysis)
E-6	AAAA.BBBB.CC	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	Image UID	
		CC	Two hexadecimal digits	File descriptor	(For analysis)
E-7	AAAA.BBBBBBBB.CCCC	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Eight hexadecimal digits	Destination IP address	
		CCCC	Four hexadecimal digits	Socket number	(For analysis)
E-8	AAAA.BBBB	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	MPM code	
E-9	AAAA.BB _BB_A08_	AAAA	Four hexadecimal digits	Error code	
		BB	Two hexadecimal digits	Dosage (AD value)	

Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
e-1	AAAA.BB	AAAA	Four hexadecimal digits	Error code	
		BB	Two hexadecimal digits	Service number	(For analysis)
e-2	AAAA.BB.CCCC	AAAA	Four hexadecimal digits	Error code	
		BB	Two hexadecimal digits	Service number	(For analysis)
		CCCC	Four hexadecimal digits	Image UID	Failed image UID
e-3	AAAA.BB.CC.DDDD	AAAA	Four hexadecimal digits	Error code	
		BB	Two hexadecimal digits	Service number	(For analysis)
		CC	Two hexadecimal digits	Amount of shared memory	Amount of shared memory installed (MWord)
		DDDD	Four hexadecimal digits	Option	Request option value (for analysis)
e-4	AAAA.BB.C	AAAA	Four hexadecimal digits	Error code	
		BB	Two hexadecimal digits	Service number	(For analysis)
		C	One hexadecimal digit	Internal error code	(For analysis)
e-5	AAAA.BBB.CCCC.DDD D.EEEE.FF__FF.GG_ _GG.HHHH	AAAA	Four hexadecimal digits	Error code	
		BBB	Character string of fixed length (3 characters)	Request subsystem	
		CCCC	Four hexadecimal digits	Image UID	
		DDDD	Four hexadecimal digits	Total retry count	
		EEEE	Four hexadecimal digits	Retry count per image	
		FF__FF	Character string of fixed length (16 characters)	SCSI task condition	(For analysis)
		GG__GG	Character string of fixed length (16 characters)	IMM I/O task condition	(For analysis)
		HHHH	Four hexadecimal digits	Number of requests to IMM I/O task	(For analysis)
e-6	AAAA.BB__BB	AAAA	Four hexadecimal digits	Error code	
		BB__BB	Character string of variable length	Error event function/trace information, etc.	(For analysis)
F	AAAA	AAAA	Four hexadecimal digits	Error code	

Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
G	AAAA.BBB	AAAA	Four hexadecimal digits	Error code	
		BBB	Three hexadecimal digits	Receive command	(For analysis)
G-1	AAAA.BBBB	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	Image UID	
G-2	AAAA.BBBB.CCCCCC C.DDDDDDD.D.EEEEE EE	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Eight hexadecimal digits	Output destination IP address	
		CCCC	Four hexadecimal digits	Image UID	
		DDDDDDDD	Eight hexadecimal digits	LAN end status	(For analysis)
		EEEEEEEE	Eight hexadecimal digits	DICOM common software execution result	(For analysis)
H	AAAA.BBBBBBBB.CCC C	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Eight hexadecimal digits	Destination IP address	"-----" is used when the destination IP address cannot be obtained.
		CCCC	Four hexadecimal digits	Socket number or command number	(For analysis)
I	AAAA.BBBBBBBB	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Eight hexadecimal digits	Barcode	
I-1	AAAA.BBBBBBBB.CCC. DDDD	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Character string of variable length (up to 8 characters)	File name	
		CCC	Character string of fixed length (3 characters)	Extension	Blank if there is no extension.
		DDDD	Four decimal digits	Line number	"----" is used if line number cannot be obtained as with a binary file.
I-2	AAAA.BBBB.CC	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	Image UID	
		CC	Two hexadecimal digits	File discripiter	(For analysis)
I-3	AAAA.BBBB	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	Format number	(For analysis)

Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
I-4	AAAA.BBBBBB.CC.DD. EE.FF.GG.HH.II.JJ.KK.L LLL.MMMMM.NN.OO	AAAA	Four hexadecimal digits	Error code	
		BBBBBB	Maximum 6 hexadecimal digits	Error description	1: Search format error 2: B4 format search failure 3: 14"x17" format search failure 4: Image number search failure 5: 14"x14" format search failure 6: 8"x10" format search failure
		CC	Two hexadecimal digits	Film used	00: B4 film 01: 14" x 17" film 02: 14"x14" film 05: 8"x10" film
		DD	Two hexadecimal digits	Read size code	01: Standard density 10" x 8" 02: Standard density 10" x 12" 03: Standard density 14" x 14" 04: Standard density 14" x 17" 05: Standard density 502 8" x 10" 06: Standard density 9.5" x 9.5" 07: Standard density 8" x 10" 08: Standard density 17" x 17" 09: Standard density 18cm x 43cm 0A: Standard density 24cm x 18cm 0B: Standard density 24cm x 30cm 0C: Standard density 35cm x 35cm 0D: Standard density 35cm x 43cm 0E: Standard density 30cm x 15cm 0F: Standard density 24cm x 24cm 11: High density 10" x 8" 12: High density 10" x 12" 13: High density 14" x 14" 14: High density 14" x 17" 15: High density 502 8" x 10" 16: High density 9.5" x 9.5" 17: High density 8" x 10" 18: High density 17" x 17" 19: High density 18cm x 43cm 1A: High density 24cm x 18cm 1B: High density 24cm x 30cm 1C: High density 35cm x 35cm 1D: High density 35cm x 43cm 1E: High density 30cm x 15cm 1F: High density 24cm x 24cm



Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
I-4	AAAA.BBBBBB.CC.DD. EE.FF.GG.HH.II.JJ.KK.L LLL.MMMMM.NN.OO	EE	Two hexadecimal digits	90-degree rotation flag	00: 90-degree rotation OFF 01: 90-degree rotation ON
		FF	Two hexadecimal digits	Film format	00: S (one-image output) 01: LR (simultaneous output of left and right of one image) 02: L-R (individual output of left or right of one image) 03: AB (two-image output, with different size or different image number) 04: SS (two-image output, with same size and same image number) 05: ABCD (four-image)
		GG	Two hexadecimal digits	Film character location change	00: No location change 01: Changed (correspond to FC1 of FilmFmt.Cfg) 02: Changed (correspond to FC2 of FilmFmt.Cfg) 03: Changed (correspond to FC3 of FilmFmt.Cfg) 04: Changed (correspond to FC4 of FilmFmt.Cfg) 05: Changed (correspond to FC5 of FilmFmt.Cfg) 06: Changed (correspond to FC6 of FilmFmt.Cfg)
		HH	Two hexadecimal digits	Area type	00: Image area 01: Film character area
		II	Two hexadecimal digits	Area number	00: Image area 0 (first frame) 01: Image area 1 (second frame) 02: Image area 2 (third frame) 03: Image area 3 (fourth frame) 10: Character area 0-0 (top of first frame) 11: Character area 0-1 (bottom of first frame) 12: Character area 1-0 (top of second frame) 13: Character area 1-1 (bottom of second frame) 14: Character area 2-0 (top of third frame) 15: Character area 2-1 (bottom of third frame) 16: Character area 3-0 (top of fourth frame) 17: Character area 3-1 (bottom of fourth frame)
		JJ	Two hexadecimal digits	180-degree rotation flag	00: 180-degree rotation OFF 01: 180-degree rotation ON
		KK	Two hexadecimal digits	LR flag	00: S (one-image output) 01: LR (simultaneous output of left and right of one image) 02: L-R (individual output of left or right of one image) 03: AB (two-image output, with different size or different image number) 04: SS (two-image output, with same size and same image number) 05: ABCD (four-image) For LR, a detail determination is made to discriminate between LR and L-R.
		LLLL	Four hexadecimal digits	Format management number	Below 0FFF: B4 format 1000-1FFF: 14"x17" format 2000-2FFF: 14"x14" format 5000-5FFF: 8"x10" format

Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
I-4	AAAA.BBBBBB.CC.DD. EE.FF.GG.HH.II.JJ.KK.L LLL.MMMMM.NN.OO	MMMMM	Character string of 5 digits	Format search code	First digit: Film used 0: B4/1: 14"x17"/2: 14"x14"/5: 8"x10" Second digit: Reading image size code Same as the reading size code for DD Third digit: 90-degree rotation designation 0: 90-degree rotation OFF/1: 90-degree rotation ON Fourth digit: Search format 0: S image character, AB character 1: LR/L_R/SS image character, AB image 2: Different-size 1843 AB image character 4: 14"x17" or 8"x10", with ABCD image character 5: Other than 14"x17" or 8"x10", with ABCD image character 6: 100% magnification 18cm-x-24cm AB image character Fifth digit: Film background 0: Transparent/1: Black
		NN	Two hexadecimal digits	Format classification code	00: One-image normal for B4/8"x10" film 01: Two-image normal for B4 02: One-image 8"x10" landscape for B4/8"x10" film 03: Two-image pantomo for B4 05: Character position change for B4 film 06: Different-size 1843 AB for B4 07: Two-image special for B4 film 10: One-image normal for 14"x17"/14"x14" film 11: Two-image normal for 14"x17" 12: One-image 8"x10" landscape for 14"x17" 13: Two-image pantomo for 14"x17" 14: Four-image for 14"x17" 15: Film character position change for 14"x17"/14"x14"/8"x10" 16: Different-size 1843 AB for 14"x17" 17: Two-image special for 14"x17"
		OO	Two hexadecimal digits	Image number (Detail number within format classification code)	For B4/14"x14"/8"x10" film 01_08 For 14"x17" film 01_08: 14"x17" area is used. 08_10: B4 area is used.
I-5	AAAA.B.CCCC	AAAA	Four hexadecimal digits	Error code	
		B	One hexadecimal digit	Channel number	(For analysis)
		CCCC	Four hexadecimal digits	End status	(For analysis)
I-6	AAAA	AAAA	Four hexadecimal digits	Error code	

Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
I-7	AAAA.BB.CCCC.DDDD DD.EEEEE.EFFFFFFF.G GGGGG.HHHHHH.IIIIII. JJJJJ.KKKKKK	AAAA	Four hexadecimal digits	Error code	
		BB	Two hexadecimal digits	DSP number	10: DSP10/11: DSP11/20: DSP20 21: DSP21/22: DSP22/23: DSP23 30: DSP30/31: DSP31/32: DSP32 33: DSP33
		CCCC	Four hexadecimal digits	End status	(For analysis)
		DDDDDD	Six hexadecimal digits	DSP memory error area	(For analysis)
		EEEEEE	Six hexadecimal digits	DSP memory error area	(For analysis)
		FFFFFF	Six hexadecimal digits	DSP memory error area	(For analysis)
		GGGGGG	Six hexadecimal digits	DSP memory error area	(For analysis)
		HHHHHH	Six hexadecimal digits	DSP memory error area	(For analysis)
		IIIIII	Six hexadecimal digits	DSP memory error area	(For analysis)
		JJJJJJ	Six hexadecimal digits	DSP memory error area	(For analysis)
		KKKKKK	Six hexadecimal digits	DSP memory error area	(For analysis)
I-8	AAAA.BB	AAAA	Four hexadecimal digits	Error code	
		BB	Two hexadecimal digits	SMCU receive command	(For analysis)
I-9	AAAA.BBBB.C.D	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	Image UID	
		C	One hexadecimal digit	Film used face number	0: One face, 1: Two faces (for analysis)
		D	One hexadecimal digit	Used frame number	0: First frame 1: Second frame 2: Third frame 4: Fourth frame
I-10	AAAA.BBBB	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	Number of frames	
I-11	AAAA.BBBB.CCCCCC CCC.DDD__DDD	AAAA	Four hexadecimal digits	Error code	
		BBBB	Character string of four digits	Image UID	
		CCCCCCCC	Character string of 10 digits	Barcode number	
		DDD__DDD	64-digit character string	Patient ID number	

Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
I-12	AAAA.BBBB.CCCC.DD DD.E.F	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	Image UID	
		CCCC	Four hexadecimal digits	FINP group number	(For analysis)
		DDDD	Four hexadecimal digits	FINP element number	(For analysis)
		E	One hexadecimal digit	Film used face number	0: One face, 1: Two faces (for analysis)
		F	One hexadecimal digit	Used frame number	0: First frame 1: Second frame 2: Third frame 4: Fourth frame
I-13	AAAA.B.CCCCCCCCCC CCCCCCC	AAAA	Four hexadecimal digits	Error code	
		B	One decimal digit	NG film size	0: B4; 1: 14" x 17"; 2: 14" x 14"; 3: 8" x 10"
		CCCCCCCCCCCCCCCC CC	Sixteen hexadecimal digits	Area available for LP configuration information recording	Available recording area: 2 digits x 8 (for analysis)
J	AAAA.BBBBBBBB.CCC CCCCC	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Eight hexadecimal digits	Destination IP address	
		CCCCCCCC	Eight hexadecimal digits	Barcode	
K-1	AAAA.BBBBBBBB.CCC. DDDD	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Character string of variable length (up to 8 characters)	File name	
		CCC	Character string of fixed length (3 characters)	Extension	Blank if there is no extension.
		DDDD	Four decimal digits	Line number	" _ _ _ _ " is used if line number cannot be obtained as with a binary file.
K-2	AAAA	AAAA	Four hexadecimal digits	Error code	
K-3	AAAA.B.C	AAAA	Four hexadecimal digits	Error code	
		B	One hexadecimal digit	Receive command	(For analysis)
		C	One hexadecimal digit	Item number	(For analysis)
K-4	AAAA.B	AAAA	Four hexadecimal digits	Error code	
		B	One hexadecimal digit	Receive command	(For analysis)
K-5	AAAA.B	AAAA	Four hexadecimal digits	Error code	
		B	One hexadecimal digit	Item number	(For analysis)
K-6	AAAA.BBBB	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	End status	(For analysis)

Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
K-7	AAAA.BBBB	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	Search key type	0001: Patient ID number 0002: Receipt number 0003: Examination number
K-8	AAAA.BBBBBBBB	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Eight hexadecimal digits	LAN end status	LAN task detail code (for analysis)
K-9	AAAA.BBBBBBBB.CCC CCCC	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Eight hexadecimal digits	LAN end status	LAN task detail code (for analysis)
		CCCCCCCC	Eight hexadecimal digits	LAN task error code	(For analysis)
L-1	AAAA.BBBB.CC	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	Image UID	UID of image data to be opened, written, or read
		CC	Two hexadecimal digits	File descriptor	File descriptor when the image data is opened
L-2	AAAA.BB.CCCC.DDDD DD.EEEEE	AAAA	Four hexadecimal digits	Error code	
		BB	Two hexadecimal digits	DSP number	DSP number (0H) for HCP
		CCCC	Four hexadecimal digits	Status	End status for function or message (for analysis)
		DDDDDD__KKKKKK	Six hexadecimal digits	DSP detail information	"_ _ _ _ _" is used if detail information internal to DSP cannot be obtained or if there is no meaning (for analysis).
L-3	AAAA.BBBBBBBB.CCC. DDDD	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Eight hexadecimal digits	File name	dsphm1j
		CCC	Three hexadecimal digits	Extension	s24
		DDDD	Four hexadecimal digits	Line number	
L-4	AAAA.B.CCCC	AAAA	Four hexadecimal digits	Error code	
		B	One hexadecimal digit	Channel number	Channel number used for DMA transfer (for analysis)
		CCCC	Four hexadecimal digits	End status	End status for function or message (for analysis)
M-1	AAAA.B.CCCC	AAAA	Four hexadecimal digits	Error code	
		B	One hexadecimal digit	Channel number	Channel number used for DMA transfer (for analysis)
		CCCC	Four hexadecimal digits	End status	End status for function or message (for analysis)
M-2	AAAA.BBBB.CC	AAAA	Four hexadecimal digits	Error code	
		BBBB	Four hexadecimal digits	Image UID	UID for image data to be opened, written, or read
		CC	Two hexadecimal digits	File descriptor	File descriptor when the image data is opened (for analysis).

Type	Format	Description of Each Parameter			
		Form	Notation	Name	Significance/DescriptionType
M-3	AAAA.BBBBBBBB.CCC C	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Eight hexadecimal digits	Destination IP address	IP address of the device connected to the machine over the network
		CCCC	Four hexadecimal digits	Socket number or command number	Socket number or command number obtained when a connection request is made. "_____" is used when there is no meaning (for analysis).
M-4	AAAA.BBBBBBBB	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Eight hexadecimal digits	LAN end status	(For analysis)
M-5	AAAA.BBBB.CCCCCC CCC.DDD__DDD.EEE EEEE	AAAA	Four hexadecimal digits	Error code	
		BBBB	Character string of 4 digits	FCR image ID	
		CCCCCCCC	Character string of 10 digits	Barcode number	
		DDD__DDD	Character string of 64 digits	Patient ID	
		EEEEEEEE	Eight hexadecimal digits	Destination IP address	IP address of the device connected to the machine over the network
M-6	AAAA	AAAA	Four hexadecimal digits	Error code	
N-1	AAAA.BBBBBBBB	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Eight hexadecimal digits	LAN end status	(For analysis)
N-2	AAAA.BBBBBBBB.CCC CCCC	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Eight hexadecimal digits	LAN end status	(For analysis)
		CCCCCCCC	Eight hexadecimal digits	Error number	(For analysis)
N-3	AAAA.BBBBBBBB	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Eight hexadecimal digits	Socket number	(For analysis)
N-4	AAAA.BBBBBBBB	AAAA	Four hexadecimal digits	Error code	
		BBBBBBBB	Eight hexadecimal digits	Command number	(For analysis)
O	AAAA.BB__BB.CCCC	AAAA	Four hexadecimal digits	Error code	
		BB__BB	Character string of variable length	File name	
		CCCC	Four decimal digits	Line number	"_____" if a line number does not exist.
P	AAAA.BB__BB	AAAA	Four hexadecimal digits	Error code	
		BB__BB	Character string of variable length	KEY name in Configuration Setting	

### 3.1 Supplementary Explanation of Detail Information

#### ■ Sensor Number Correspondence Table (Applicable to Type: “D-5”, Format Symbol “B”)

No.	Sensor name	No.	Sensor name	No.	Sensor name	No.	Sensor name	No.	Sensor name	No.	Sensor name	No.	Sensor name	No.	Sensor name
1	SK1	6	-	11	-	16	-	21	SL4	26	SN2	31	-	36	FFM
2	SK2	7	-	12	-	17	-	22	SL5	27	SN3	32	-	37	SZ1
3	SK3	8	-	13	-	18	SL1	23	SM1	28	SN4	33	SZ2		
4	SK4	9	-	14	-	19	SL2	24	-	29	-	34	SZ3		
5	-	10	-	15	-	20	-	25	SN1	30	-	35	SZ4		

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#### ■ Motor Number Correspondence Table (Applicable to Type: “D-5”, Format Symbols “G”, “H”, and “I”)

NO.	Motor name	NO.	Motor name
0	ML1	5	MN2
1	ML2	6	MN3
2	-	7	-
3	MM1	8	-
4	MN1	9	MN4

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## 3.2 Format of Abort Code

If any trouble occurs on the machine with an abort message displayed on the machine's display panel, take remedial action in accordance with the following procedures.

### ■ Example of Abort Message

Abort message	Abort code	Significance	Probable cause
CDM:CdmInit:Could not allocate memory for config data.	02120000	Failure to reserve the machine configuration area	Insufficient main memory
matrix_select:Undefined event Matrix=AAAAAAAA EVENT=BBBBBBBB	02010001	Undefined event received	Illegal function call
"Memory overflow."	05050001	Failure to reserve memory	Insufficient main memory

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### ■ Remedy

- (1) Write down the top three lines of the message displayed, and notify them to the Service Headquarters.
- (2) Reset the machine.



## 4. Error Code Analysis Flow (Mechanism)

### 03A2, 13A1, 13A2, 23A1, 23A2

#### ■ Error Occurrence Conditions

##### 03A2 Cassette hold release error

During routine/initialization/error handling (cassette hold release check), the cassette hold solenoid (SOLK1) is turned ON, but the cassette hold sensor (SK3) does not transition from Close to Open within 0.5 sec (TK14), and retry operation is performed six times or more (NK11).

##### 13A1 Cassette setting error 1

During routine/initialization/error handling (cassette hold check), the cassette hold solenoid (SOLK1) is turned OFF, but the cassette hold sensor (SK3) does not transition from Open to Close within 0.5 sec (TK14), and retry operation is performed six times or more (NK12).

##### 13A2 Cassette hold release error

During routine/initialization/error handling (cassette hold release check), the cassette hold solenoid (SOLK1) is turned ON, but the cassette hold sensor (SK3) does not transition from Close to Open within 0.5 sec (TK14), and retry operation is performed six times or more (NK11).

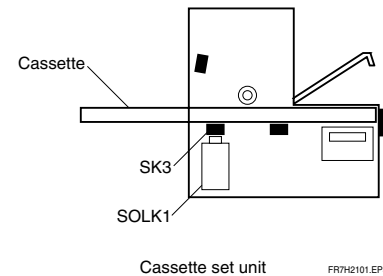
##### 23A1 Cassette hold failure retry

During routine/initialization/error handling (cassette hold check), the cassette hold solenoid (SOLK1) is turned OFF to hold the cassette, but the cassette hold sensor (SK3) does not transition from Open to Close within 0.5 sec (TK14).

##### 23A2 Cassette hold release failure retry

During routine/initialization/error handling (cassette hold release check 2), the cassette hold solenoid (SOLK1) is turned ON to release the cassette hold, but the cassette hold sensor (SK3) does not transition from Close to Open within 0.5 sec (TK14), and retry operation is performed.

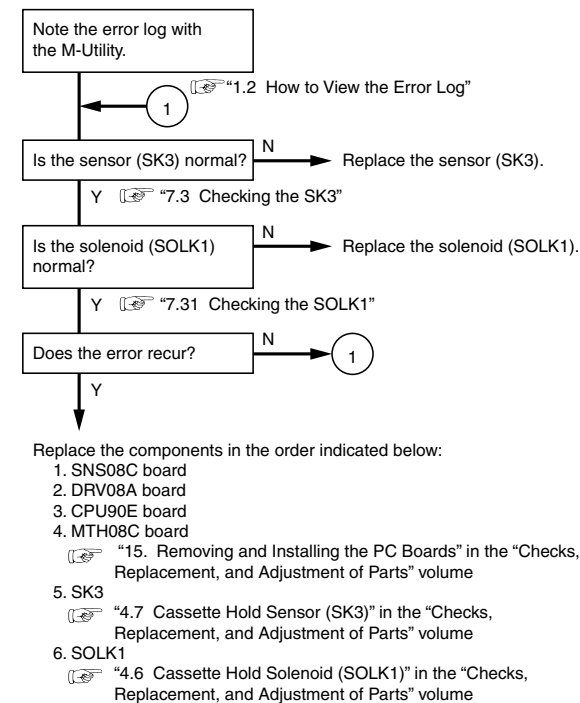
#### ■ I/O Locations



#### ■ Preparations

1. Turn OFF and uncover the machine.
2. Check for dirt and other foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

#### ■ Analysis Flow



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## 13A4, 13A5

### ■ Error Occurrence Conditions

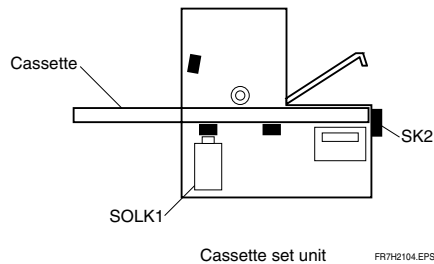
#### 13A4 Cassette setting error 2

During routine (cassette IN monitoring), the cassette hold solenoid (SOLK1) is turned OFF, but the cassette IN sensor (SK2) does not transition from Open to Close.

#### 13A5 Cassette setting error 3

During routine (cassette IN monitoring), the cassette hold solenoid (SOLK1) is turned OFF, but the cassette IN sensor (SK2) does not transition from Open to Close.

### ■ I/O Locations

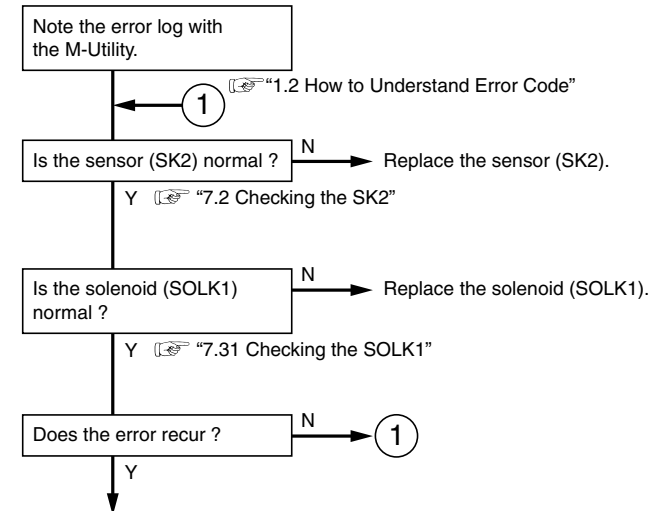


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### ■ Preparations

1. Turn OFF and uncover the machine.
2. Check for dirt and other foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



Replace the components in the order indicated below:

1. SNS08C board
2. DRV08A board
3. CPU90E board
4. MTH08C board
5. SK2  
☞ "15. Removing and Installing the PC Boards" in the "Checks, Replacement, and Adjustment of Parts" volume
6. SOLK1  
☞ "4.9 Cassette IN Sensor (SK2)" in the "Checks, Replacement, and Adjustment of Parts" volume  
☞ "4.6 Cassette Hold Solenoid (SOLK1)" in the "Checks, Replacement, and Adjustment of Parts" volume

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## 13A6, 13A7

### ■ Error Occurrence Conditions

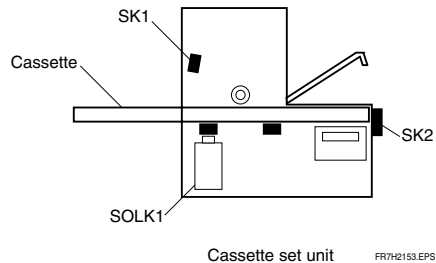
#### 13A6 Cassette undetected 1

During routine (cassette IN monitoring), the cassette hold solenoid (SOLK1) is turned OFF, but the cassette ejection sensor (SK1) does not transition from Open to Close, and the cassette IN sensor (SK2) does not transition from Open to Close.

#### 13A7 Cassette undetected 2

During routine (cassette IN monitoring), the cassette hold solenoid (SOLK1) is turned OFF, but the cassette ejection sensor (SK1) does not transition from Open to Close, and the cassette IN sensor (SK2) does not transition from Open to Close.

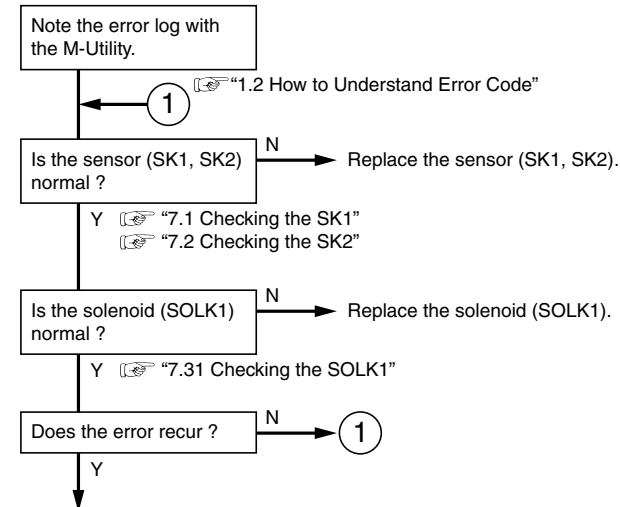
### ■ I/O Locations



### ■ Preparations

1. Turn OFF and uncover the machine.
2. Check for dirt and other foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



Replace the components in the order indicated below:

1. SNS08C board
  2. DRV08A board
  3. CPU90E board
  4. MTH08C board
  5. SK1
  6. SK2
  7. SOLK1
- "15. Removing and Installing the PC Boards" in the "Checks, Replacement, and Adjustment of Parts" volume  
 "4.3 Cassette Ejection Sensor (SK1)" in the "Checks, Replacement, and Adjustment of Parts" volume  
 "4.9 Cassette IN Sensor (SK2)" in the "Checks, Replacement, and Adjustment of Parts" volume  
 "4.6 Cassette Hold Solenoid (SOLK1)" in the "Checks, Replacement, and Adjustment of Parts" volume

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## 13A8, 23A8

### ■ Error Occurrence Conditions

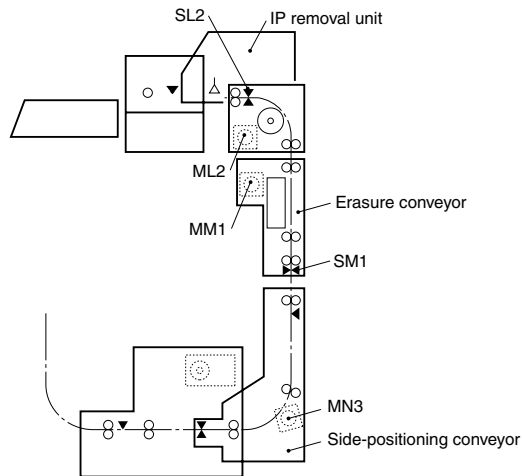
#### 13A8 Non standard IP size

During routine (IP search), the IP size is checked, but the IP size is out of specification.

#### 23A8 IP length measurement conveyance error

During routine/initialization (IP length measurement), the IP transport motors (MN3, MM1, ML2) are turned ON to convey the IP, but the before-BCR IP sensor (SM1) does not transition from Close to Open within 2.9 sec (TN12) after transitioning from Open to Close.

### ■ I/O Locations



FR7H2106.EPS

### ■ Preparations

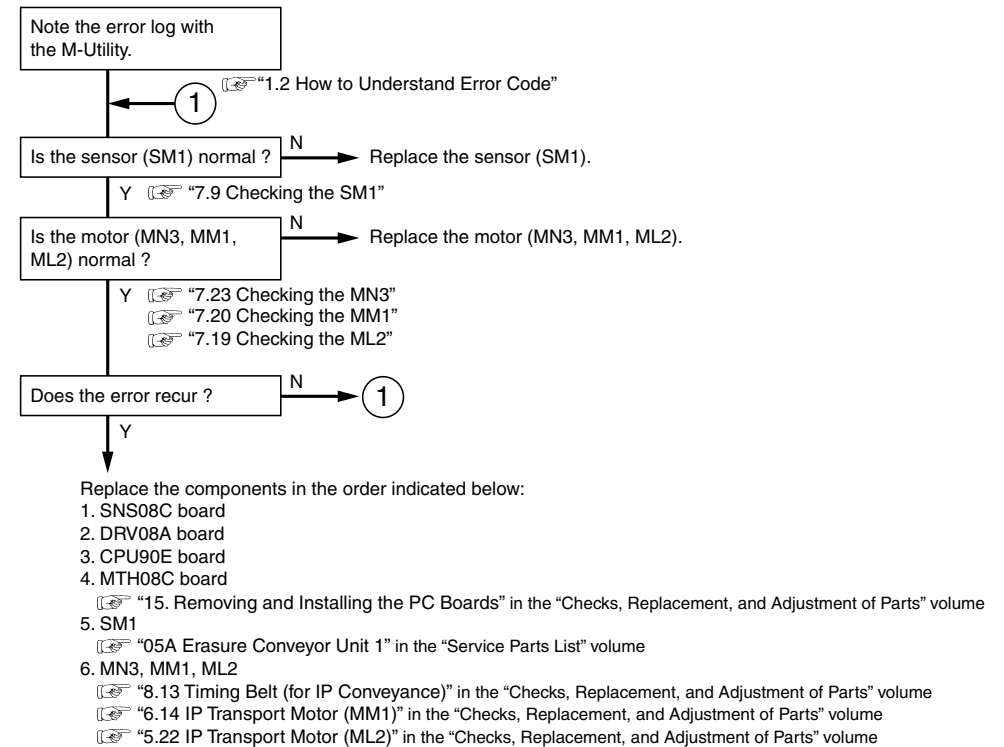


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for dirt and other foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2206.EPS

## 13A9, 23A9

### ■ Error Occurrence Conditions

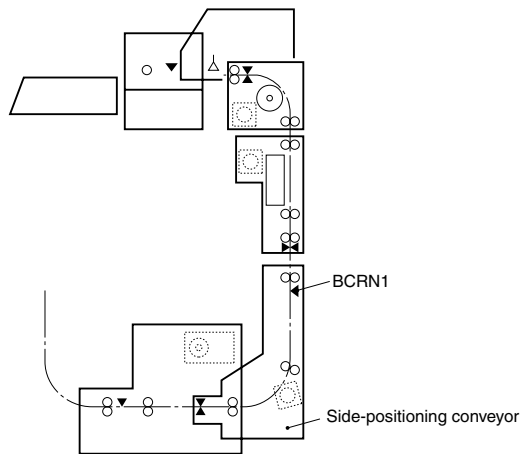
#### 13A9 Barcode read error

During routine (wait for cassette BCR data check), the IP barcode reading operation is performed, but retry operation is performed four times or more (NN31).

#### 23A9 Barcode read retry

During routine (wait for cassette BCR data check), IP barcode reading operation is performed, but retry operation is performed.

### ■ I/O Locations



FR7H2107.EPS

### ■ Preparations

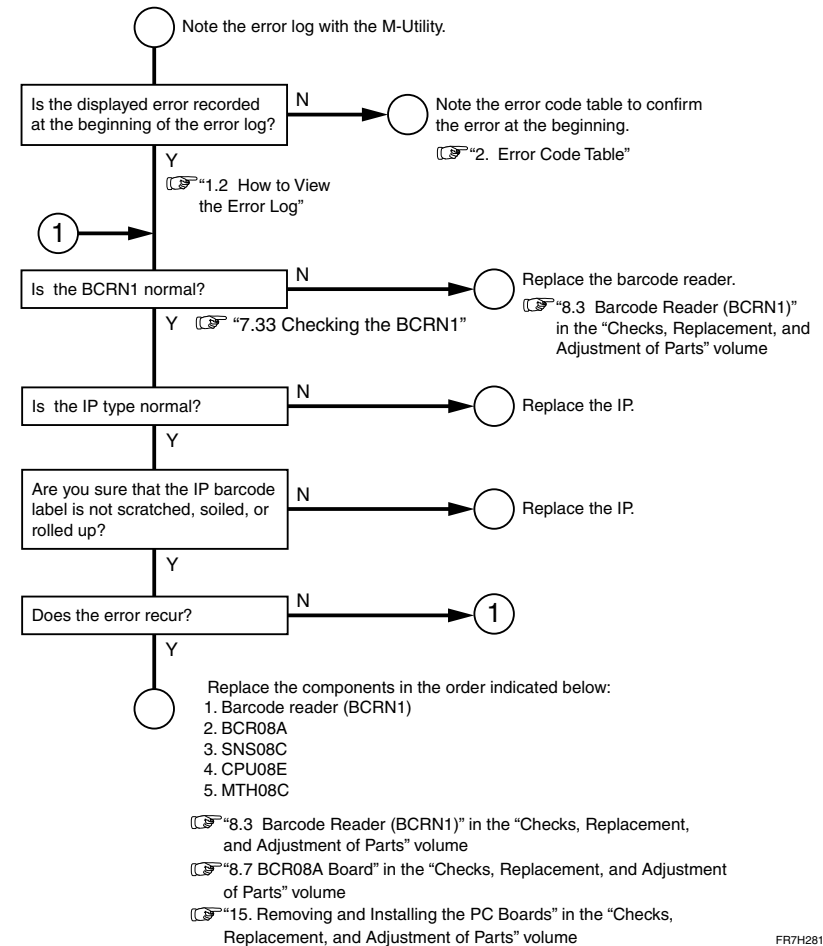


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2819.EPS

## 13AA, 23AA

### ■ Error Occurrence Conditions

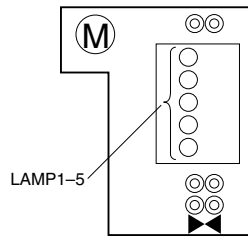
#### 13AA Erasure lamp failure

During routine (erasure check), a check is made to see if the erasure lamp is lit, but it is not lit.

#### 23AA Initialization erasure lamp failure

It was found during initialization that the erasure lamps were not properly illuminated.

### ■ I/O Locations



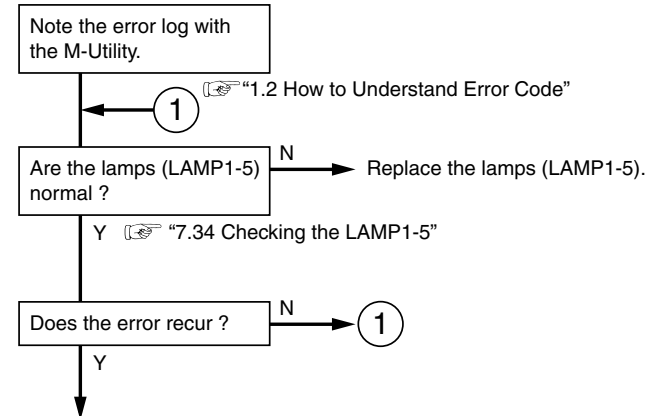
Erasure conveyor

FR7H2108.EPS

### ■ Preparations

1. Turn OFF and uncover the machine.
2. Check for dirt and other foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



1. Replace the power supply unit (JPS-6).  
 [Hand icon] "13.1 Power Supply Unit (JPS-6)" in the "Checks, Replacement, and Adjustment of Parts" volume
2. LAMP1-5  
 [Hand icon] "6.5 Erasure Lamps (LAMP1-LAMP5)" in the "Checks, Replacement, and Adjustment of Parts" volume

FR7H2208.EPS

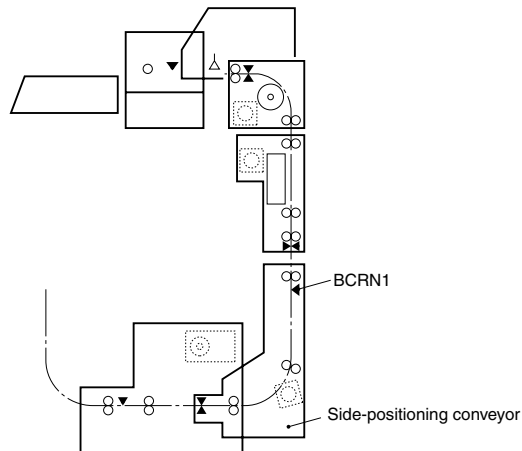
## 13AD

### ■ Error Occurrence Conditions

#### 13AD IP with improper generation/type detected

During routine (wait for cassette BCR data check), the barcode reader (BCRN1) is turned ON, but the IP with improper generation/type is detected.

### ■ I/O Locations

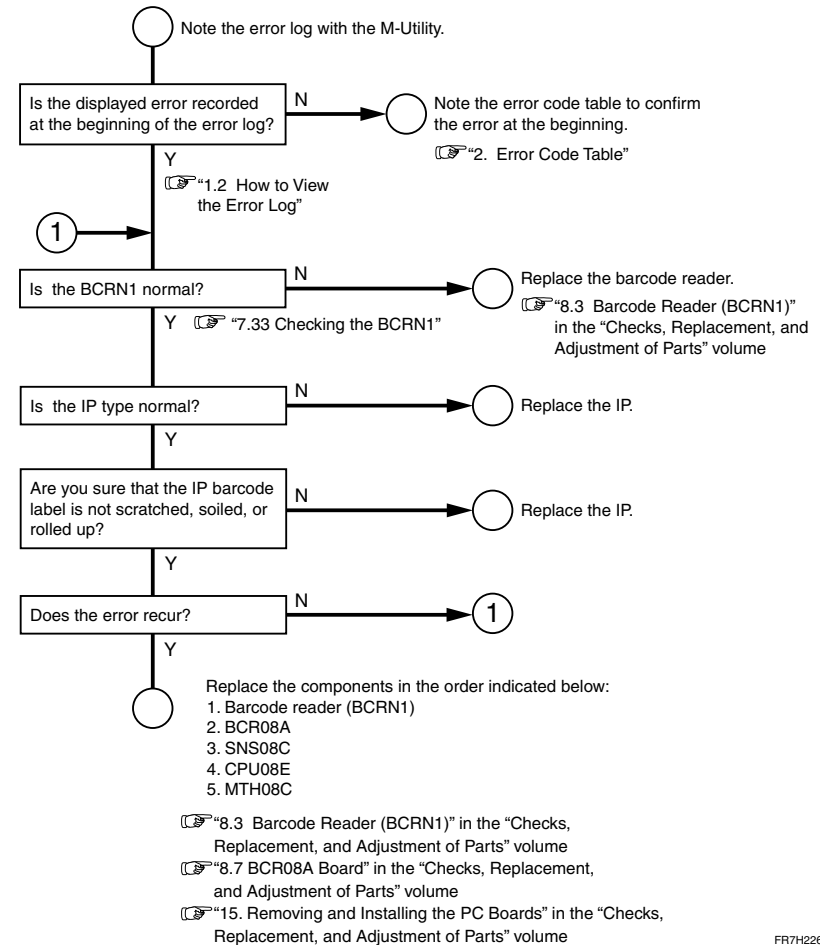


FR7H2109.EPS

### ■ Preparations

1. Turn OFF and uncover the machine.
2. Check for dirt and other foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2261.EPS

## 03B1, 23B1

### ■ Error Occurrence Conditions

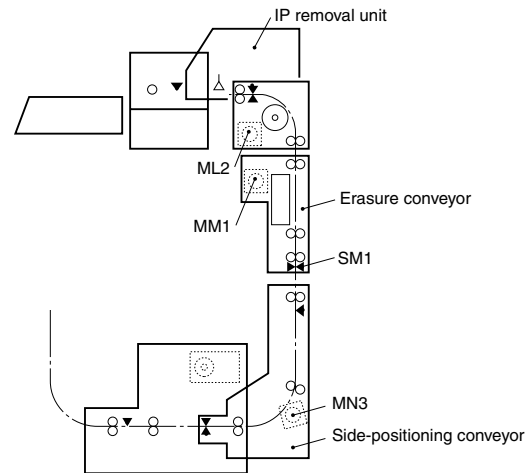
#### 03B1 Conveyance error (feed conveyance)

During routine/initialization (IP length measurement), the IP transport motors (MN3, MM1, ML2) are turned ON, but the before-BCR IP sensor (SM1) does not transition from Open to Close within 3.5 sec (TN11).

#### 23B1 Feed conveyance retry

During routine/initialization (IP length measurement), the IP transport motors (MN3, MM1, ML2) are turned ON to convey the IP, but before-BCR IP sensor (SM1) does not transition from Open to Close within 3.5 sec (TN11).

### ■ I/O Locations



FR7H2110.EPS

### ■ Preparations

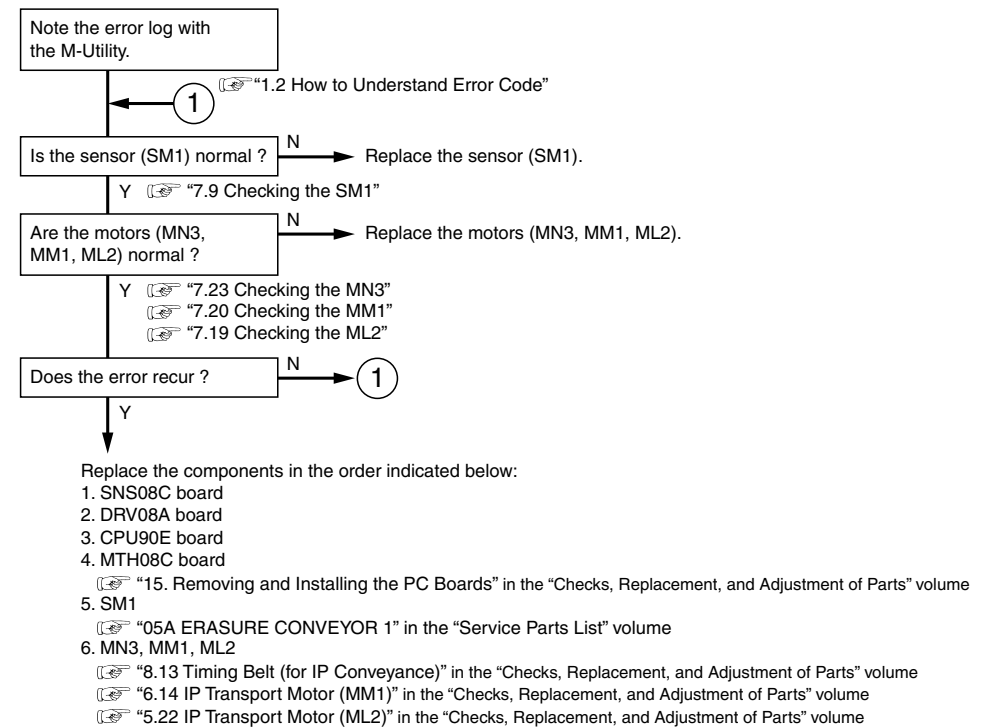


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2209.EPS



## 03B2, 23B2

### ■ Error Occurrence Conditions

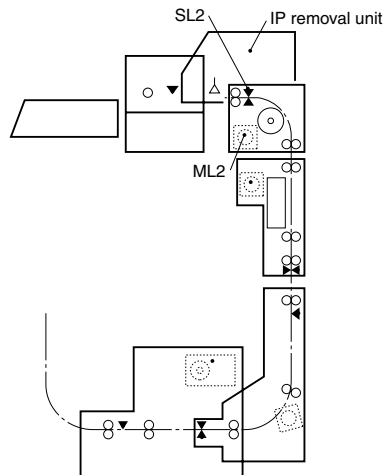
#### 03B2 Conveyance error (during load)

During routine/initialization (suction sensor check 4/after-erasure conveyance), the IP transport motor (ML2) is turned ON, but the cassette inlet IP sensor (SL2) does not transition from Close to Open within 10.7 sec (TL79).

#### 23B2 Load conveyance retry

During routine (after-erasure conveyance), the IP transport motors (MM1, ML2) are turned ON to convey the IP, but the cassette inlet IP sensor (SL2) does not transition from Close to Open within 6 sec (TL22).

### ■ I/O Locations

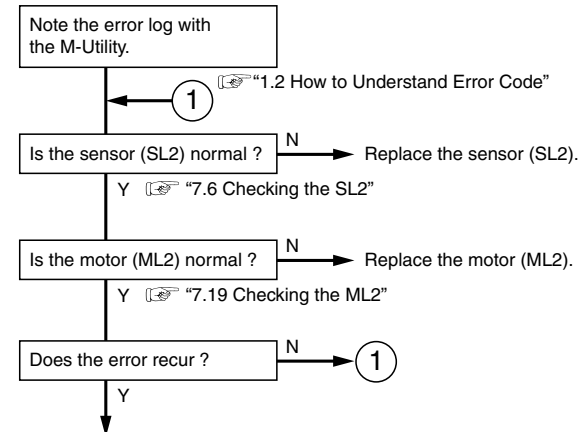


FR7H2111.EPS

### ■ Preparations

1. Turn OFF and uncover the machine.
2. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



Replace the components in the order indicated below:

1. SNS08C board
2. DRV08A board
3. CPU90E board
4. MTH08C board
5. SL2  
 ⓘ "15. Removing and Installing the PC Boards" in the "Checks, Replacement, and Adjustment of Parts" volume
6. ML2  
 ⓘ "04A IP REMOVAL UNIT" in the "Service Parts List" volume  
 ⓘ "5.22 IP Transport Motor (ML2)" in the "Checks, Replacement, and Adjustment of Parts" volume

FR7H2210.EPS

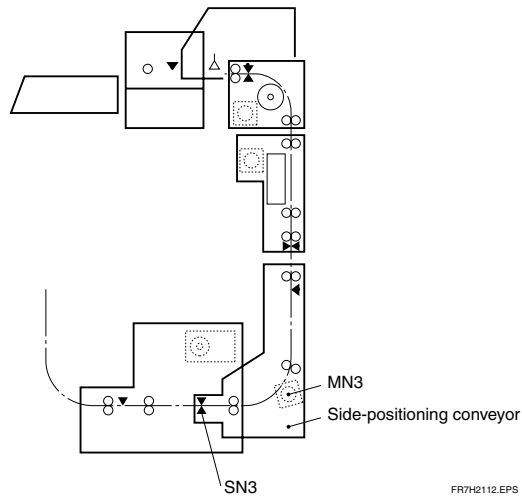
## 03B3

### ■ Error Occurrence Conditions

#### 03B3 Conveyance error (side-positioning conveyance inlet)

During routine (side-positioning conveyance), the IP transport motor (MN3) is turned On to convey the IP, but the side-positioning IP sensor (SN3) does not transition from Open to Close within the specified time\* (TN31). (\*: See the list.)

### ■ I/O Locations



FR7H2112.EPS

### ■ Preparations

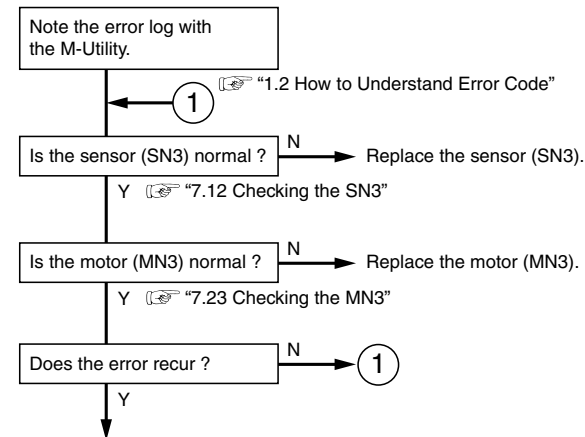


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



Replace the components in the order indicated below:

1. SNS08C board
2. DRV08A board
3. CPU90E board
4. MTH08C board
5. SN3  
 ↳ "15. Removing and Installing the PC Boards" in the "Checks, Replacement, and Adjustment of Parts" volume
6. MN3  
 ↳ "8.8 Side-Positioning IP Sensor (SN3)" in the "Checks, Replacement, and Adjustment of Parts" volume  
 ↳ "07A SIDE-POSITIONING CONVEYOR 1" in the "Service Parts List" volume

FR7H2211.EPS

## 03B4, 03B5, 03B6

### ■ Error Occurrence Conditions

#### 03B4 Conveyance error (recovery IP load 1)

During error (reverse load), the IP transport motors (MN3, MM1, ML2) are turned ON, but the cassette inlet IP sensor (SL2) does not transition from Open to Close within 14.5 sec (TL75).

#### 03B5 Conveyance error (recovery IP load 2)

During error (reverse load), the IP transport motors (MN3, MM1, ML2) are turned ON, but the cassette inlet IP sensor (SL2) does not transition from Close to Open within 7.6 sec (TL72).

#### 03B6 IP Feed/load conveyor remaining IP discharge error

During initialization (feed/load conveyance IP processing), the IP transport motors (ML2, MM1, MN3) are turned ON, but the cassette inlet IP sensor (SL2) does not transition from Close to Open within 7.6 sec (TL72).

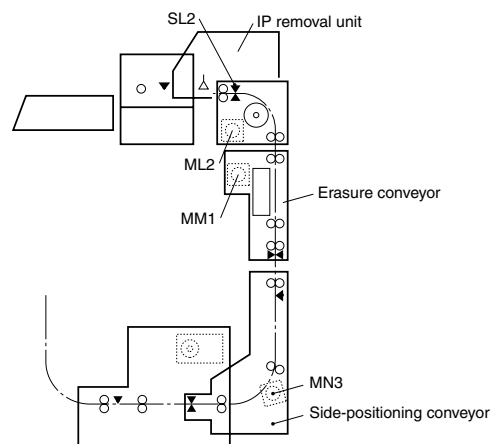
#### 03B6 IP Feed/load conveyor remaining IP discharge error

During initialization (before-reading standby IP processing), the IP transport motors (ML2, MM1, MN3) are turned ON, but the before-BCR IP sensor (SM1) does not transition from Close to Open within 14.5 sec (TL75), and the cassette inlet IP sensor (SL2) does not transition from Close to Open within 14.5 sec (TL75) or from Close to Open within 7.6 sec (TL74).

#### 03B6 IP Feed/load conveyor remaining IP discharge error

During initialization (cassette inlet IP search), the IP transport motor (ML2) is turned ON, but the cassette inlet IP sensor (SL2) does not transition from Close to Open within 10.7 sec (TL79).

### ■ I/O Locations



FR7H2113.EPS

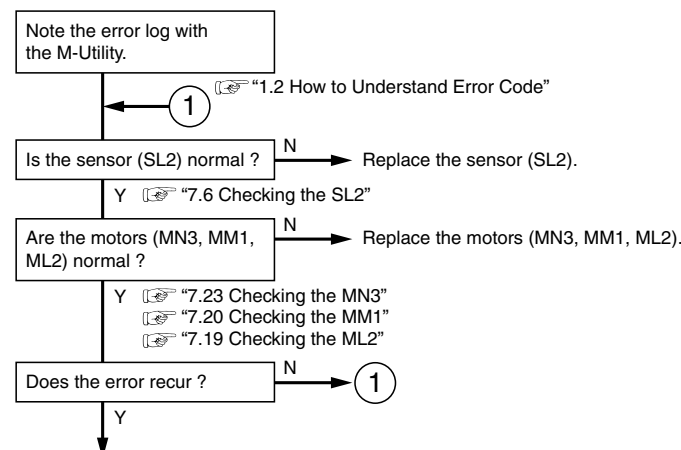
### ■ Preparations



**CAUTION**  
When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



Replace the components in the order indicated below:

1. SNS08C board
2. DRV08A board
3. CPU90E board
4. MTH08C board
5. SL2  
 ↳ "15. Removing and Installing the PC Boards" in the "Checks, Replacement, and Adjustment of Parts" volume
6. MN3, MM1, ML2  
 ↳ "8.13 Timing Belt (for IP Conveyance)" in the "Checks, Replacement, and Adjustment of Parts" volume  
 ↳ "6.14 IP Transport Motor (MM1)" in the "Checks, Replacement, and Adjustment of Parts" volume  
 ↳ "5.22 IP Transport Motor (ML2)" in the "Checks, Replacement, and Adjustment of Parts" volume

FR7H2212.EPS

## 03B7

### ■ Error Occurrence Conditions

#### 03B7 Side-positioning conveyor remaining IP discharge error

During initialization (before-side-positioning conveyance remaining IP movement), the IP transport motors (MN3, MM1, ML2) are turned ON, but the before-BCR IP sensor (SM1) does not transition from Close to Open within 7.6 sec (TN71).

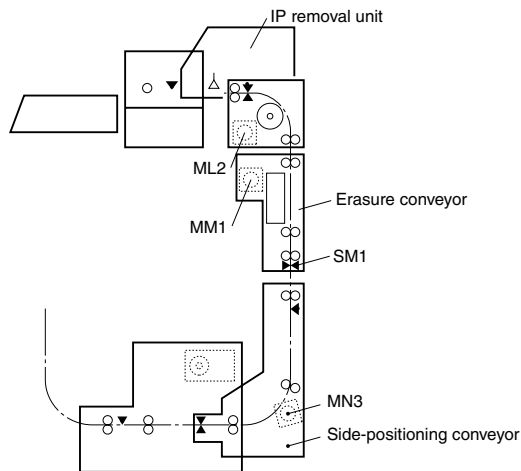
#### 03B7 Side-positioning conveyor remaining IP discharge error

During initialization (before-reading remaining IP movement), the IP transport motor (MN3) and subscanning motor (MZ1) are turned ON, but the before-BCR IP sensor (SM1) does not transition from Open to Close within 5.9 sec (TN72).

#### 03B7 Side-positioning conveyor remaining IP discharge error

During initialization (initialization side-positioning conveyance), the IP transport motor (MN3) is turned ON, but the side-positioning IP sensor (SN3) does not transition from Open to Close within 5.8 sec (TN75).

### ■ I/O Locations



FR7H2116.EPS

### ■ Preparations

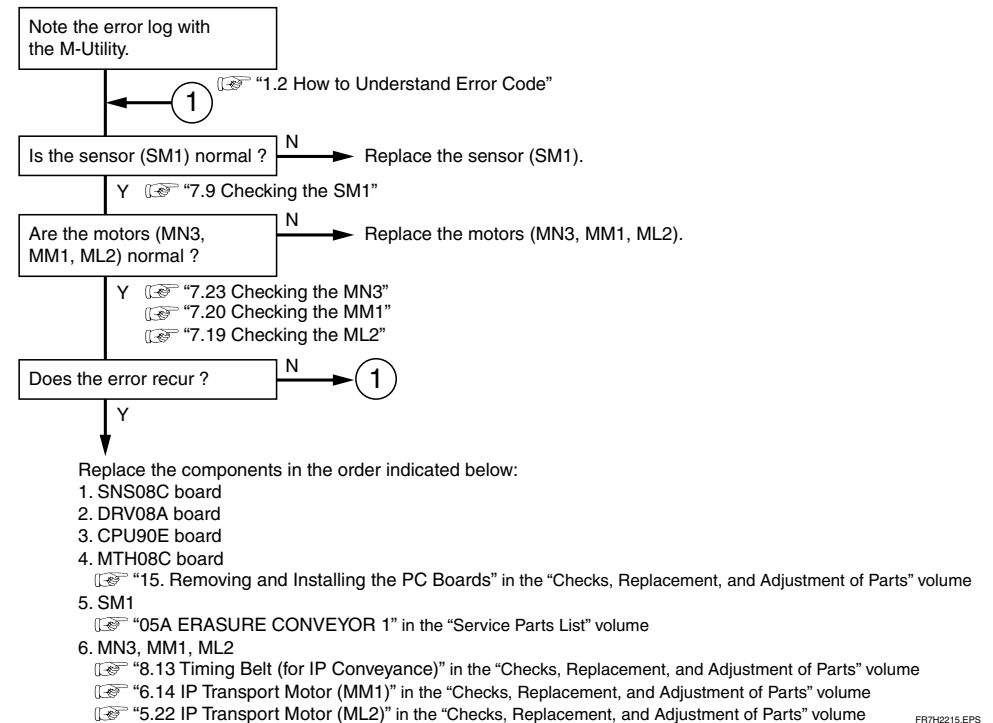


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2215.EPS

## 03BC, 23BA, 23BB, 23BC

### ■ Error Occurrence Conditions

#### 03BC Side-positioning operation error

During initialization (side-positioning home positioning), the side-positioning drive motor (MN1) is turned ON, but the side-positioning mechanism HP sensor (SN1) does not transition to Close within 10 sec (TN54), and retry operation is performed four times or more (NN51).

#### 23BA Side-positioning HP detection retry

During routine (side-positioning home positioning), the side-positioning drive motor (MN1) is turned ON to achieve side-positioning home positioning, but the side-positioning mechanism HP sensor (SN1) does not transition from Open to Close within 10 sec (TN54).

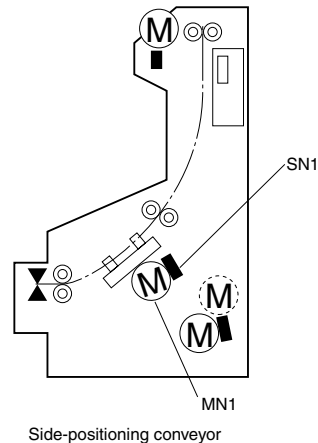
#### 23BB Side-positioning HP detection preparation retry

During routine (side-positioning home positioning), the side-positioning drive motor (MN1) is turned ON to achieve side-positioning home positioning, but the side-positioning mechanism HP sensor (SN1) does not transition from Close to Open within 1 sec (TN52).

#### 23BC Side-positioning operation error

During routine (side-positioning), the side-positioning drive motor (MN1) is turned ON to achieve IP side-positioning, but the side-positioning mechanism HP sensor (SN1) does not transition to Close.

### ■ I/O Locations



FR7H2117.EPS

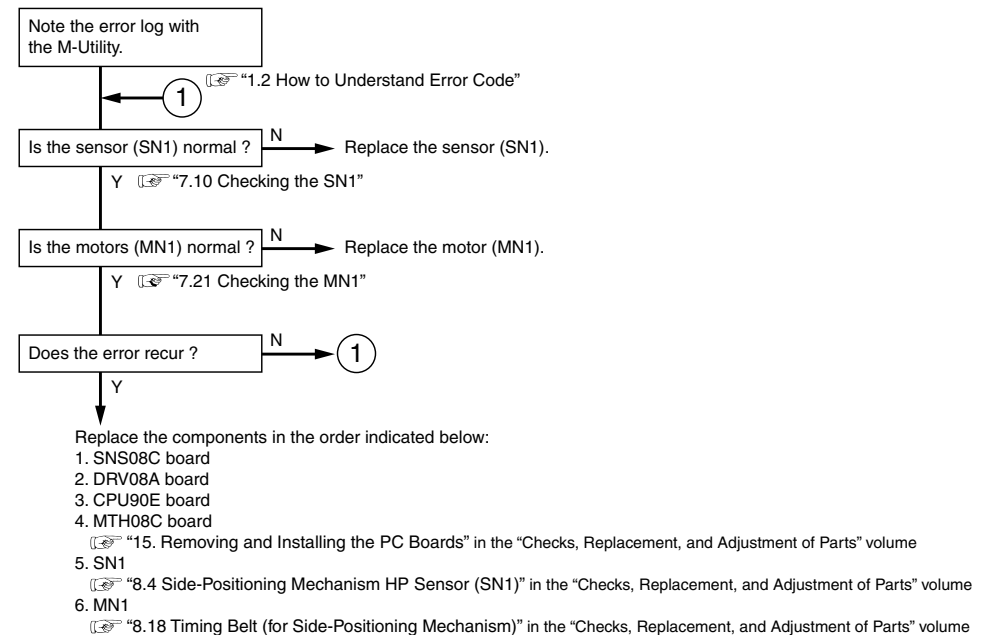
### ■ Preparations



**CAUTION**  
When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2216.EPS

## 03BF, 23BD, 23BE, 23BF

### ■ Error Occurrence Conditions

#### 03BF Side-positioning grip operation error

During routine (side-positioning grip home positioning), the grip release motor (MN2) is turned ON, but the grip release HP sensor (SN2) does not transition to Close within 1.2 sec (TN62)/13.3 sec (TN63)/10 sec (TN64), and retry operation is performed four times or more (NN61).

#### 23BD Side-positioning grip HP detection retry

During routine (side-positioning grip home positioning), the grip release motor (MN2) is turned ON to achieve side-positioning grip home positioning, but the grip release HP sensor (SN2) does not transition from Open to Close within 10 sec (TN64).

#### 23BE Side-positioning grip HP detection preparation retry

During routine (side-positioning grip home positioning), the grip release motor (MN2) is turned ON, but the grip release HP sensor (SN2) does not transition to Close within 13.3 sec (TN63).

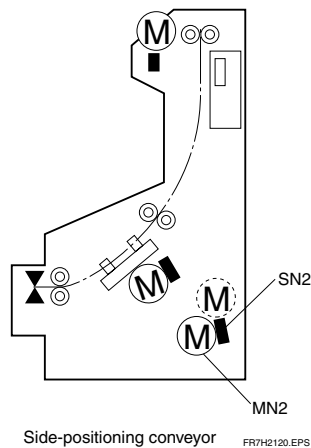
#### 23BE Side-positioning grip HP detection preparation retry

During routine (side-positioning grip home positioning), the grip release motor (MN2) is turned ON, but the grip release HP sensor (SN2) does not transition to Open within 1.2 sec (TN62).

#### 23BF Side-positioning grip operation error

During routine (side-positioning conveyance grip), the grip release motor (MN2) is turned ON to grip the IP, but the grip release HP sensor (SN2) does not transition to Close.

### ■ I/O Locations



### ■ Preparations

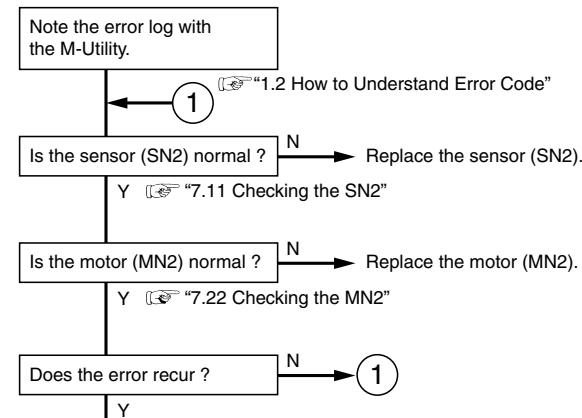


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



Replace the components in the order indicated below:

1. SNS08C board
2. DRV08A board
3. CPU90E board
4. MTH08C board
5. SN2  
 ⚙️ "15. Removing and Installing the PC Boards" in the "Checks, Replacement, and Adjustment of Parts" volume
6. MN2  
 ⚙️ "8.5 Grip Release HP Sensor (SN2)" in the "Checks, Replacement, and Adjustment of Parts" volume  
 ⚙️ "8.2 Grip Release Motor (MN2)" in the "Checks, Replacement, and Adjustment of Parts" volume

FR7H2219.EPS

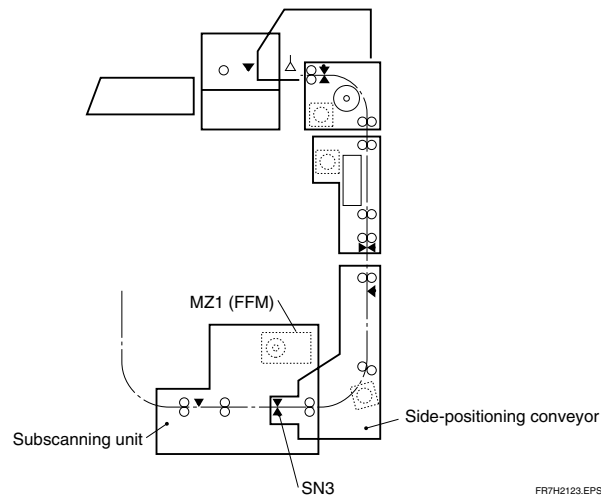
## 03C1

### ■ Error Occurrence Conditions

#### 03C1 Conveyance error (reading conveyance)

During routine (reading), the subscanning motor (MZ1) is turned ON, but the side-positioning IP sensor (SN3) does not transition from Close to Open within the specified time\* (TN35). (\*: See the list.)

### ■ I/O Locations



FR7H2123.EPS

### ■ Preparations

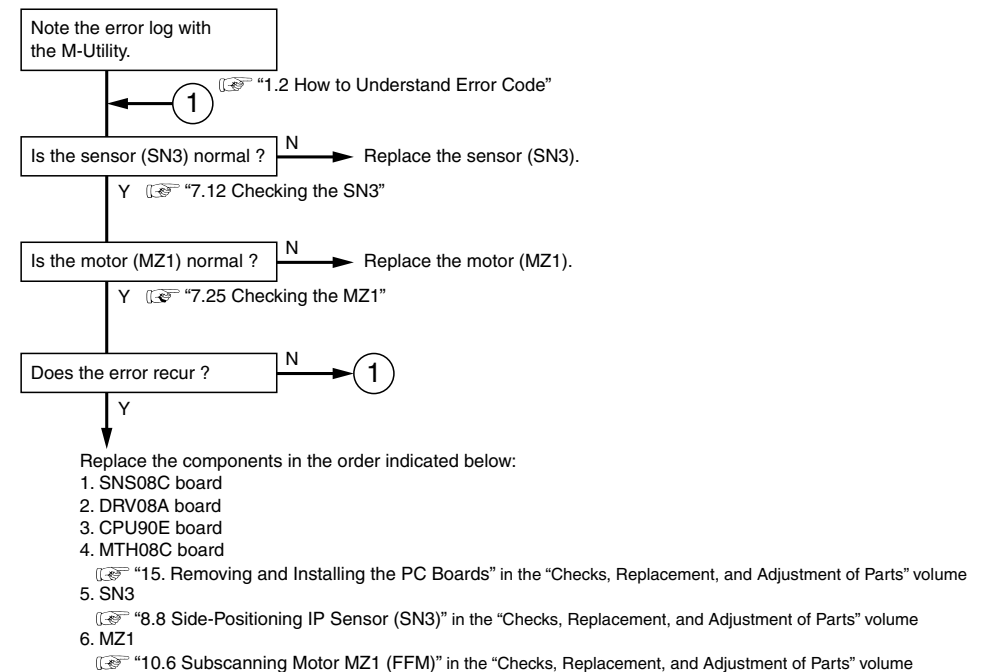


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2222.EPS

## 03C0, 03C2

### ■ Error Occurrence Conditions

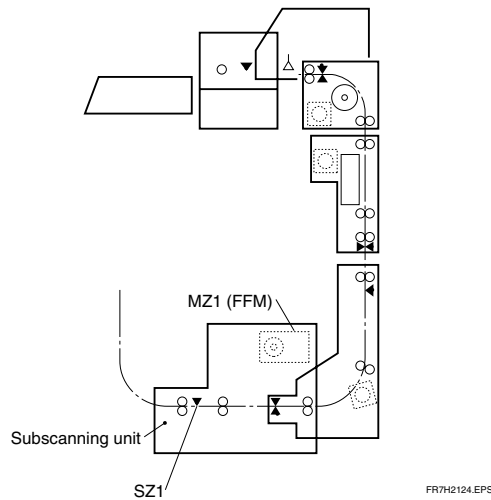
#### 03C0 Conveyance error (reading preparation conveyance)

The IP leading-edge sensor (SZ1) turned ON during a routine operation between side-positioning and reading preparation conveyance.

#### 03C2 Reading IP leading edge detection error

During routine (reading), the subscanning motor (MZ1) is turned ON, but the IP leading-edge sensor (SZ1) does not transition from Open to Close within the specified time\* (TZ11). (\*: See the list.)

### ■ I/O Locations



### ■ Preparations

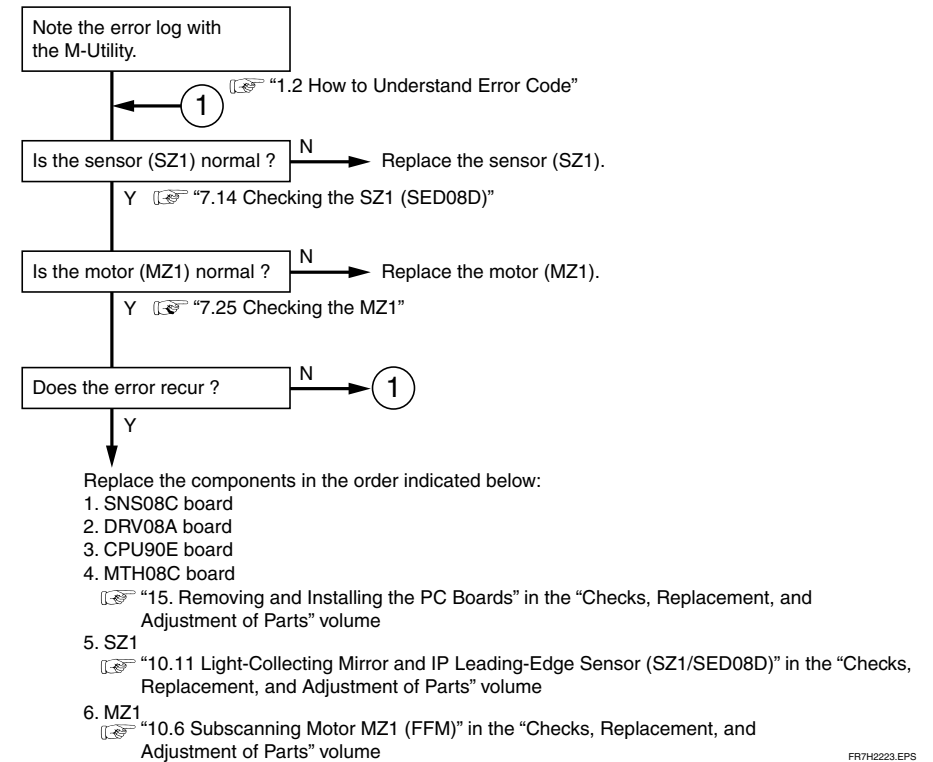


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow





## 03C6, 03C8, 03CA, 23C6

### ■ Error Occurrence Conditions

#### 03C6 Driving shaft grip error

During routine (driving shaft grip release <HR/ST>), the driving shaft grip motor (MZ2) is turned ON, but the driving-side grip release HP sensor (SZ2) does not transition from Close to Open within 5 sec for ST type or 10 sec for HR type (TZ21).

#### 03C8 Driving shaft grip release error

During routine (driving shaft grip release <high speed/HR>), the driving shaft grip motor (MZ2) is turned ON, but the driving-side grip release HP sensor (SZ2) does not transition from Open to Close within 2 sec for high speed or 10 sec for HR type (TZ24).

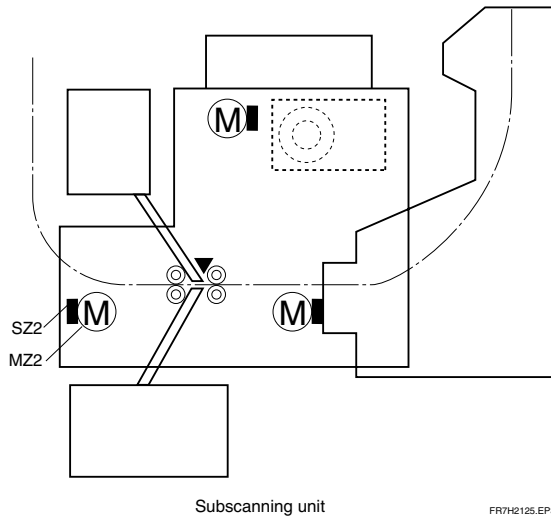
#### 03CA Drive shaft grip self-diagnosis error

During initialization (driving shaft self-diagnostics), the driving shaft grip motor (MZ2) is turned ON, but the driving-side grip release HP sensor (SZ2) does not transition from Close to Open within 5 sec (TZ25).

#### 23C6 Drive shaft grip operation error

During routine (reading), the driving shaft grip motor (MZ2) is turned ON, but the driving-side grip release HP sensor (SZ2) does not transition from Close to Open within 2.7 sec for ST type or 5.3 sec for HR type (TZ22).

### ■ I/O Locations



### ■ Preparations

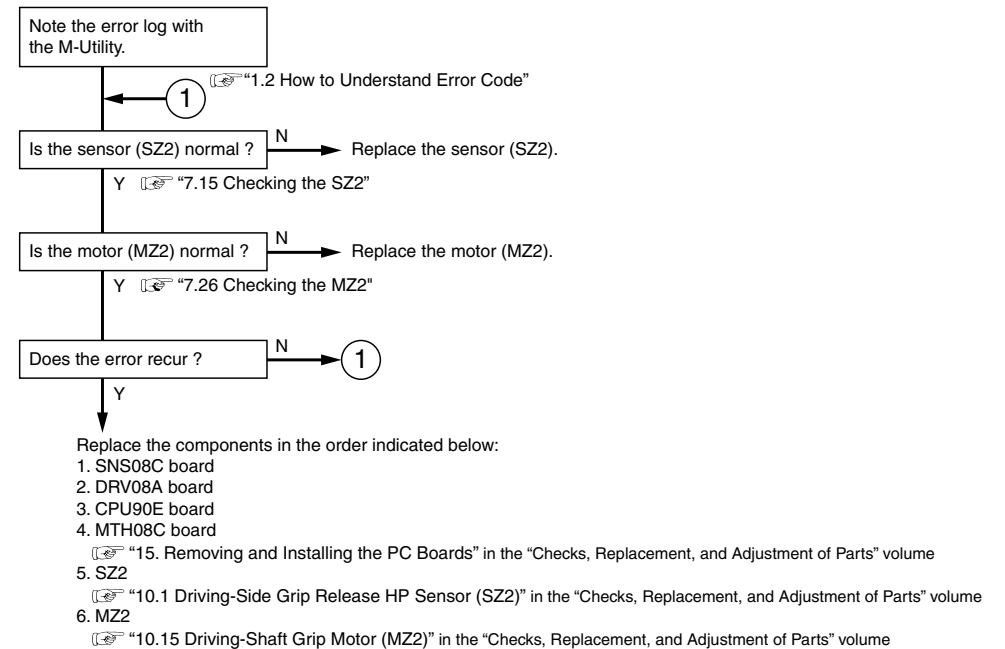


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2224.EPS

## 03C7, 03C9, 03CB, 23C7

### ■ Error Occurrence Conditions

#### 03C7 Driven shaft grip error

During routine (driven shaft grip <high speed/HR>), the driven shaft grip motor (MZ3) is turned ON, but the driven-side grip release HP sensor (SZ3) does not transition from Open to Close within 2 sec for high speed or 10 sec for HR type (TZ34).

#### 03C9 Driven shaft grip release error

During routine (driven shaft grip <HR/ST>), the driven shaft grip motor (MZ3) is turned ON, but the driven-side grip release HP sensor (SZ3) does not transition from Close to Open within 5 sec for ST type or 10 sec for HR type (TZ31).

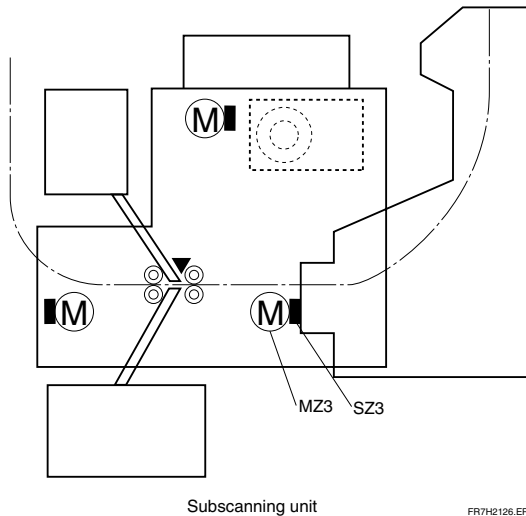
#### 03CB Driven shaft grip release self-diagnosis error

During initialization (driven shaft self-diagnostics), the driven shaft grip motor (MZ3) is turned ON, but the driven-side grip release HP sensor (SZ3) does not transition from Close to Open within 5 sec (TZ35).

#### 23C7 Driven shaft grip release operation error

During routine (before-erasure conveyance), the driven shaft grip motor (MZ3) is turned ON, but the driven shaft grip release HP sensor (SZ3) does not transition from Close to Open within 4.0 sec for ST type or 8.1 sec for HR type (TZ33).

### ■ I/O Locations



### ■ Preparations

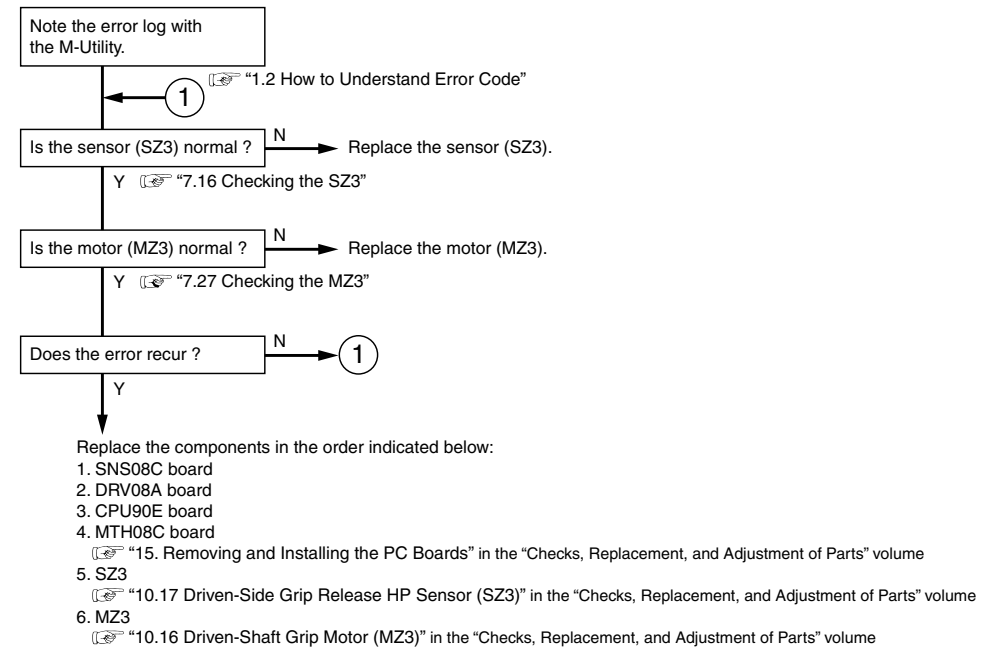


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2225.EPS

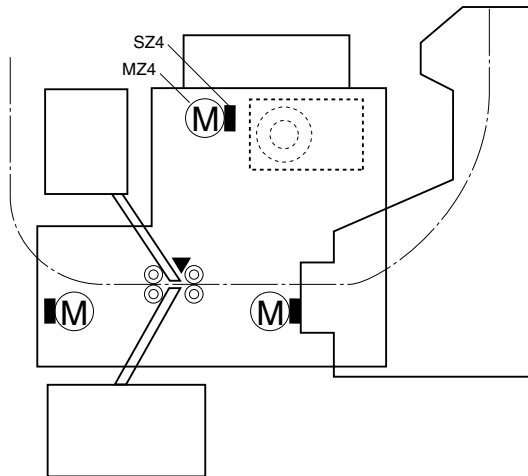
## 03CC

### ■ Error Occurrence Conditions

#### 03CC Mirror operation error

During routine (mirror down), the mirror drive motor (MZ4) is turned ON, but the mirror HP sensor (SZ4) does not transition from Open to Close within 1 sec (TZ40).

### ■ I/O Locations



Subscanning unit

FR7H2131.EPS

### ■ Preparations

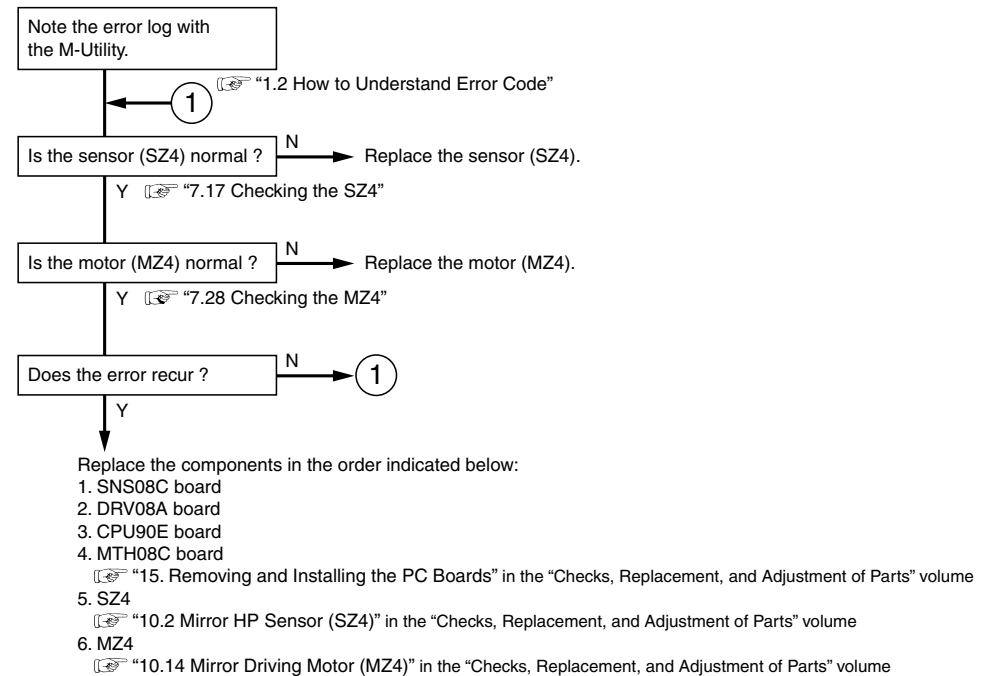


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2230.EPS

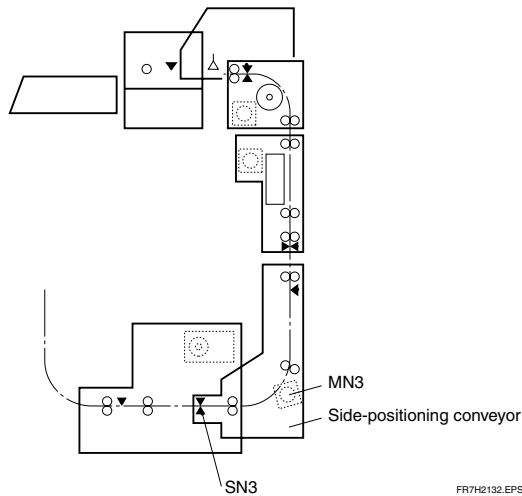
## 03CD

### ■ Error Occurrence Conditions

#### 03CD Conveyance error (side-positioning return conveyance)

During routine (side-positioning return conveyance), the subscanning motor (MZ1) and IP transport motor (MN3) are turned ON, but the side-positioning IP sensor (SN3) does not transition from Open to Close within 2.7 sec (TN91).

### ■ I/O Locations



FR7H2132.EPS

### ■ Preparations

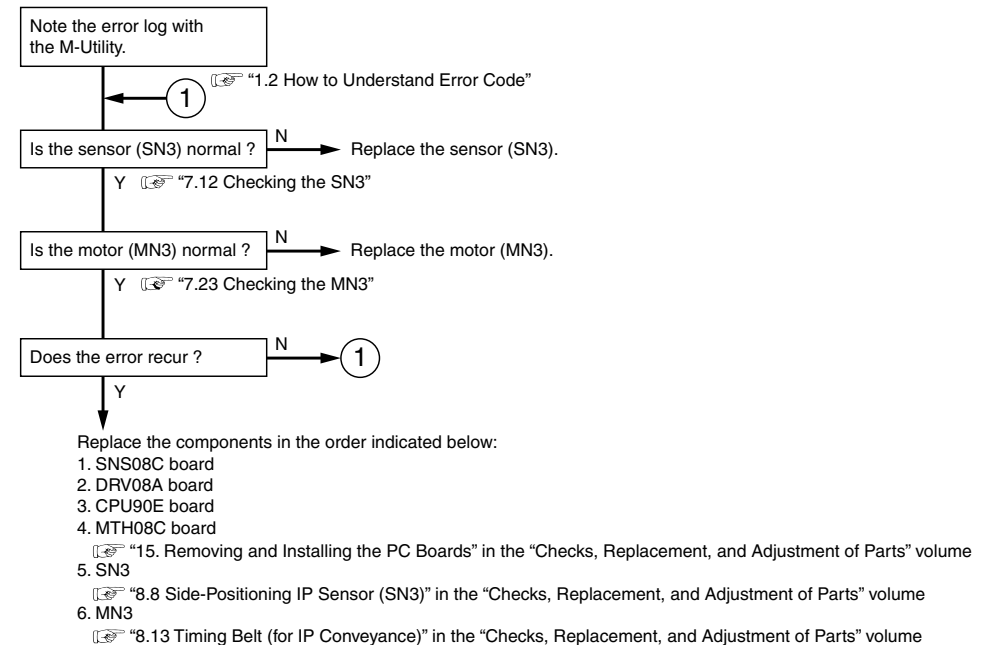


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2231.EPS

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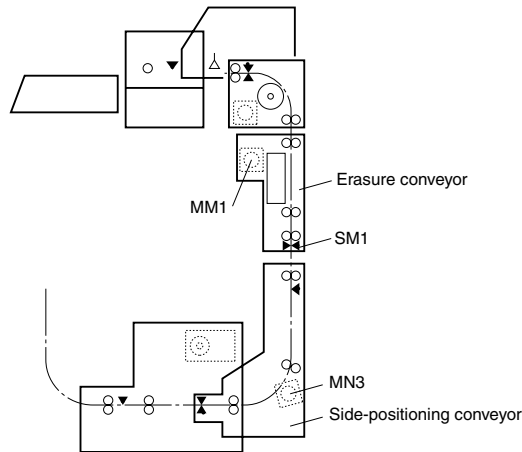
## 03D3

### ■ Error Occurrence Conditions

#### 03D3 Conveyance error (before erasure)

During routine (before-erasure conveyance), the IP transport motors (MM1, MN3) are turned ON, but the before-BCR IP sensor (SM1) does not transition from Open to Close within X sec (TM13).

### ■ I/O Locations



FR7H2134.EPS

### ■ Preparations

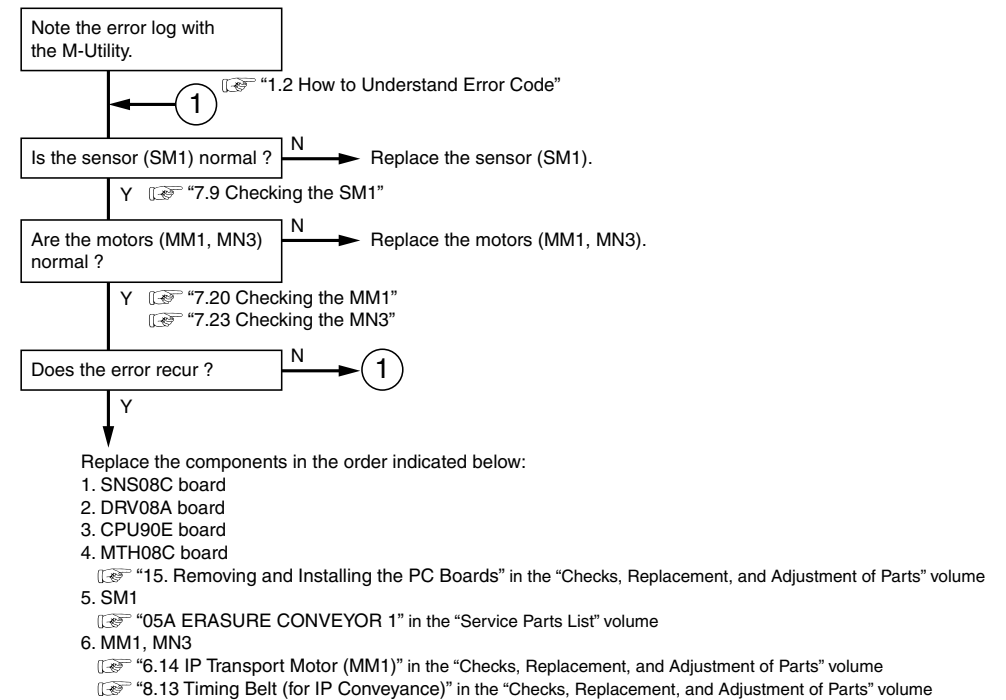


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2233.EPS

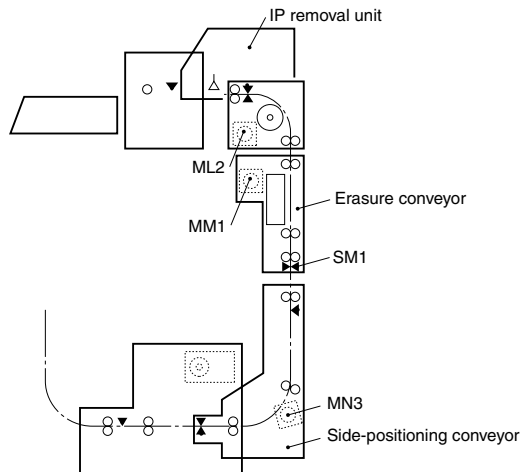
## 03D5

### ■ Error Occurrence Conditions

#### 03D5 Conveyance error (erasure)

During routine (erasure conveyance), the IP transport motors (MN3, MM1, ML2) are turned ON, but the before-BCR IP sensor (SM1) does not transition from Close to Open within the specified time\* (TM14). (\*: See the list.)

### ■ I/O Locations



FR7H2135.EPS

### ■ Preparations

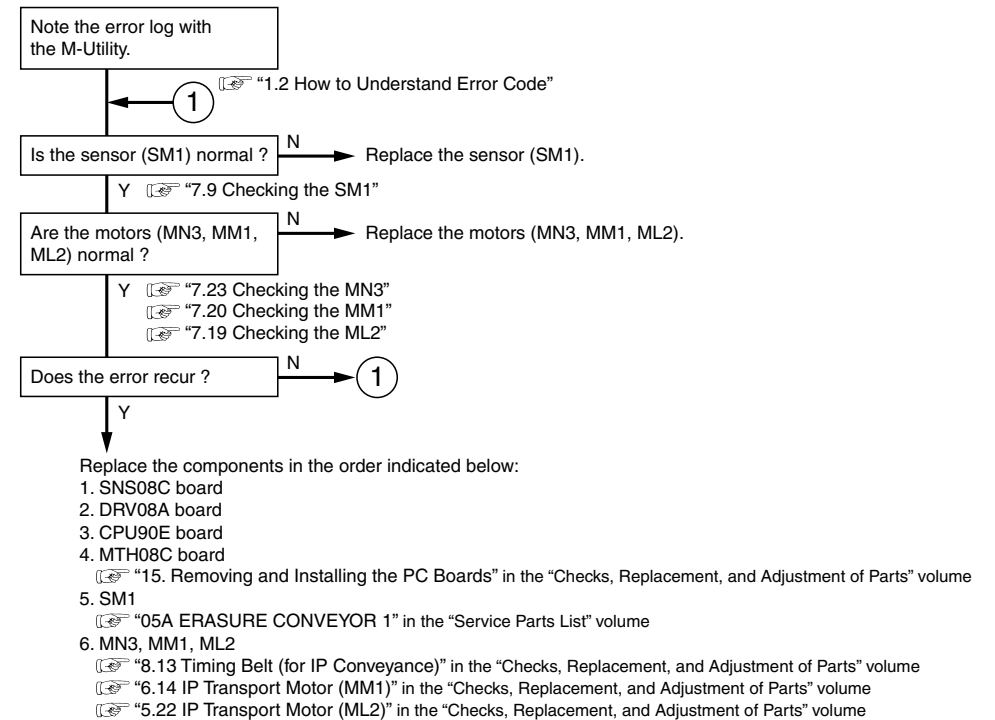


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2234.EPS

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## 13E1, 13E2, 13E4, 13E5, 13E9, 23E1, 23E2, 23E4, 23E5, 23E9

### ■ Error Occurrence Conditions

#### 13E1 Feed-IP suction error

During routine (IP feed), the IP suction pump (PL1) is turned OFF and the IP leak valve (SVL1) is turned ON, but the suction sensor (SL5) does not transition to Close, and retry operation is performed four times or more (NL11).

#### 13E2 Feed-IP dropped

During routine (IP feed), the IP suction pump (PL1) is turned OFF and the IP leak valve (SVL1) is turned ON, but the IP suction sensor (SL5) does not transition to Close, and retry operation is performed four times or more (NL11).

#### 13E4 Load IP suction error

During routine (suction sensor check 3), the suction pump (PL1) is turned ON to suck the IP, but the suction sensor (SL5) does not transition from Open to Close, and retry operation is performed 4 times or more (NL11).

#### 13E5 Load IP dropped

During routine (IP load), the suction sensor (SL5) is checked for IP load conveyance, but it does not transition from Open to Close, and retry operation is performed four times or more (NL11).

#### 13E9 IP leak error

During routine (IP load), the suction sensor (SL5) does not transition from Close to Open within 5 sec (TL19) for IP load conveyance.

#### 23E1 Feed-IP suction failure retry

During routine (IP feed), the IP suction pump (PL1) is turned OFF and the IP leak valve (SVL1) is turned ON, but the suction sensor (SL5) does not transition to Close, and retry operation is performed three times (NL11).

#### 23E2 Feed-IP drop retry

During routine (IP feed), the IP suction pump (PL1) is turned OFF and the IP leak valve (SVL1) is turned ON, but the IP suction sensor (SL5) does not transition to Close, and retry operation is performed three times (NL11).

#### 23E4 Load IP suction failure retry

During routine (suction sensor check 3), the suction pump (PL1) is turned ON to suck the IP, but the suction sensor (SL5) does not transition from Open to Close, and retry operation is performed.

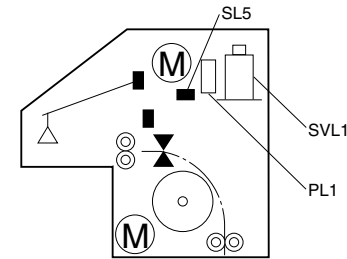
#### 23E5 Load IP drop retry

During routine (IP load), the suction cup driving motor (ML1) is turned ON, but the suction sensor (SL5) does not transition to Close, and retry operation is performed three times or more (NL11).

#### 23E9 IP leak error

During routine (IP feed), the IP suction pump (PL1) is turned OFF and the IP leak valve (SVL1) is turned ON, but the suction sensor (SL5) does not transition from Close to Open within 5 sec (TL19).

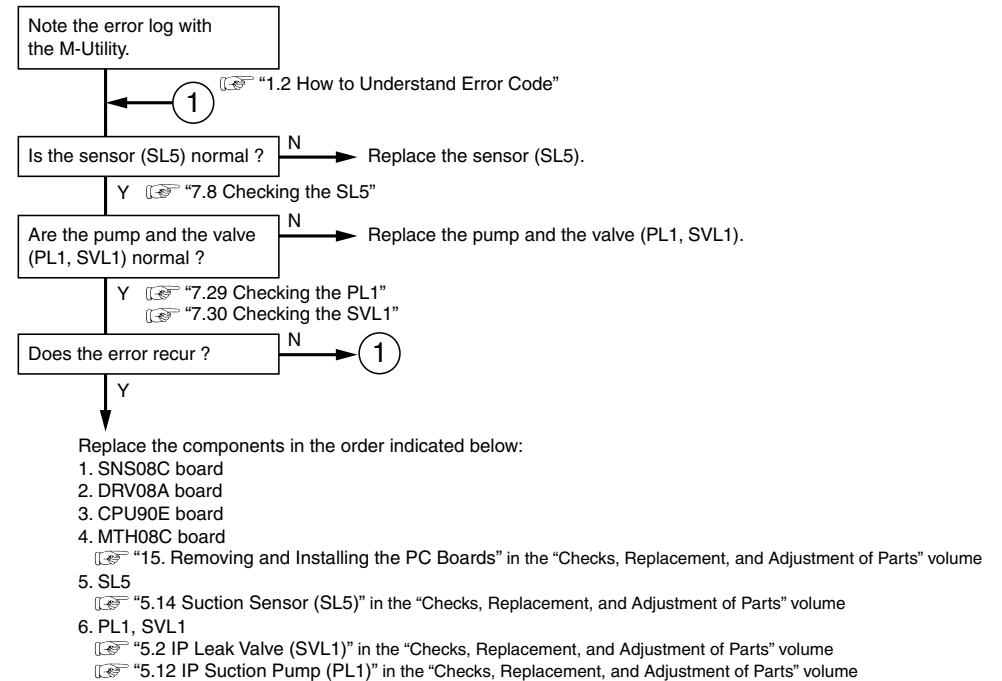
### ■ I/O Locations



### ■ Preparations

1. Turn OFF and uncover the machine.
2. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



## 13E3, 23E3

### ■ Error Occurrence Conditions

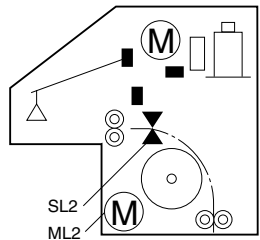
#### 13E3 Feed-IP grip error

During routine (cassette inlet IP check), the cassette inlet IP sensor (SL2) is checked, but it does not transition from Open to Close, and retry operation is performed four times or more (NL11).

#### 23E3 Feed-IP grip retry

During routine (cassette inlet IP check), the cassette inlet IP sensor (SL2) is checked, but it does not transition from Open to Close, and retry operation is performed.

### ■ I/O Locations

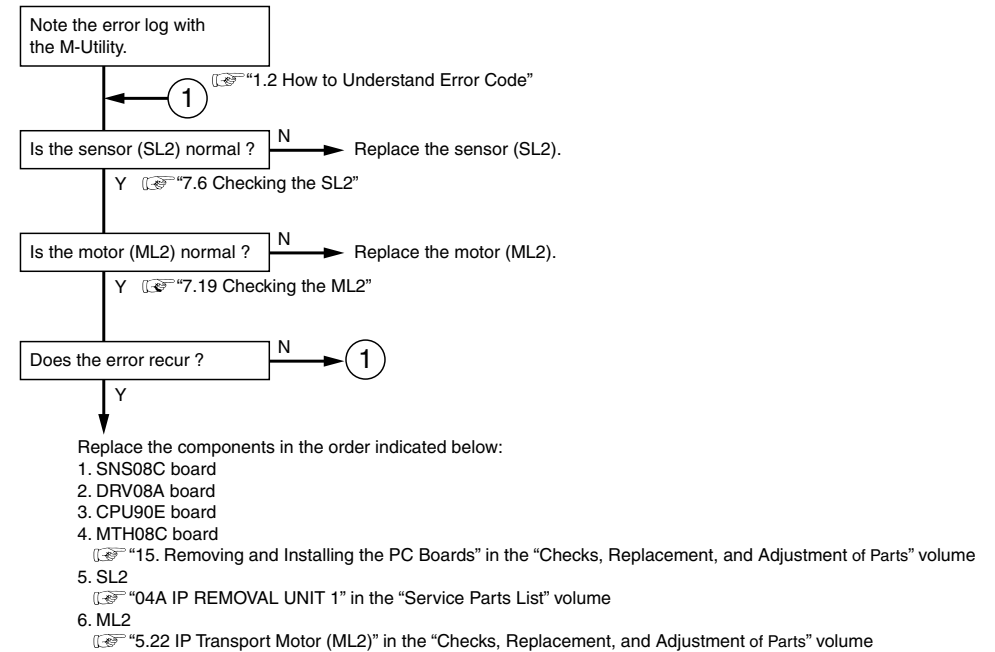


IP removal unit FR7H2139.EPS

### ■ Preparations

1. Turn OFF and uncover the machine.
2. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2238.EPS

## 03E8, 23E6, 23E7, 23E8

### ■ Error Occurrence Conditions

#### 03E8 Suction cup moving error

During routine/initialization (suction cup home positioning), the suction cup driving motor (ML1) is turned ON, but the suction cup HP sensor (SL1) does not transition to Close within 0.5 sec (TL52)/1.3 sec (TL53)/20 sec (TL54), and retry operation is performed three times or more (NL51).

#### 23E6 Suction cup HP detection preparation retry

During routine (suction cup home positioning), the suction cup driving motor (ML1) is turned ON, but the suction cup HP sensor (SL1) does not transition to Close within 5.3 sec (TL53).

#### 23E6 Suction cup HP detection preparation retry

During routine (suction cup home positioning), the suction cup driving motor (ML1) is turned ON, but the suction cup HP sensor (SL1) does not transition to Open within 1.3 sec (TL52).

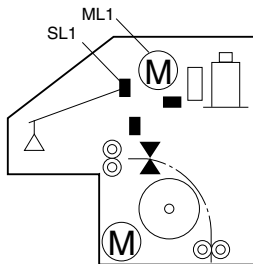
#### 23E7 Suction cup HP detection retry

During routine (suction cup home positioning), the suction cup driving motor (ML1) is turned ON, but the suction cup HP sensor (SL1) does not transition to Close within 20 sec (TL54).

#### 23E8 Suction cup HP return error

During routine (IP feed), the suction cup HP sensor (SL1) is in Open status.

### ■ I/O Locations

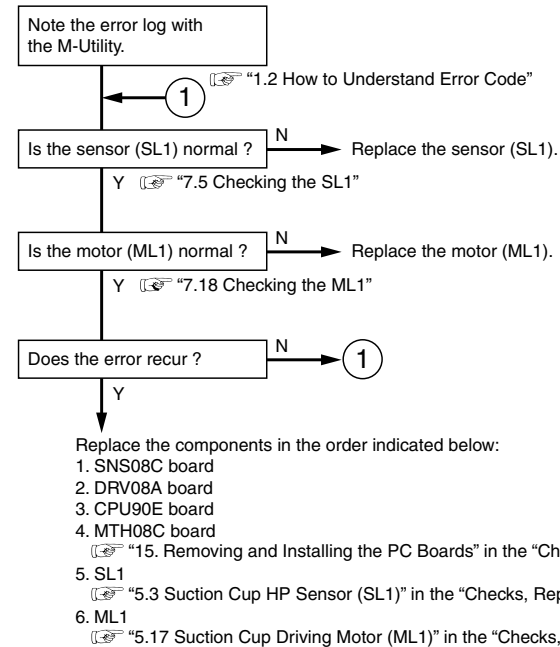


IP removal unit FR7H2142.EPS

### ■ Preparations

1. Turn OFF and uncover the machine.
2. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2241.EPS

## 03EE, 03EF, 23EA, 23EB, 23EC, 23ED

### ■ Error Occurrence Conditions

#### 03EE Cleaning guide return operation error

During routine (after-reading conveyance), the cleaning guide HP sensor (SN4) is checked, but it is not in Close status.

#### 03EF Cleaning guide operation error

During routine (cleaning guide home positioning), the cleaning guide drive motor (MN4) is turned ON, but the cleaning guide HP sensor (SN4) does not transition to Close within the specified time\* (TN92)/X sec (TN93)/X sec (TN94), and retry operation is performed four times or more (NN81).

#### 23EA Cleaning guide HP detection retry

During routine (cleaning guide home positioning), the cleaning guide drive motor (MN4) is turned ON, but the cleaning guide HP sensor (SN4) does not transition from Open to Close within 13.3 sec (TN84).

#### 23EB Cleaning guide HP detection preparation retry

During routine (cleaning guide home positioning), the cleaning guide drive motor (MN4) is turned ON, but the cleaning guide HP sensor (SN4) does not transition from Close to Open within 0.6 sec (TN82).

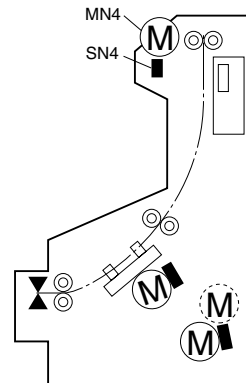
#### 23EC Cleaning guide grip release failure retry

During routine (cleaning guide grip release), the cleaning guide drive motor (MN4) is turned ON to ungrip the clearing guide, but the cleaning guide HP sensor (SN4) does not transition to Close.

#### 23ED Cleaning guide grip error

During routine (cleaning guide grip), the cleaning guide drive motor (MN4) is turned ON to grip the cleaning guide, but the cleaning guide HP sensor (SN4) does not transition to Open.

### ■ I/O Locations



Side-positioning conveyor

FR7H2146.EPS

### ■ Preparations

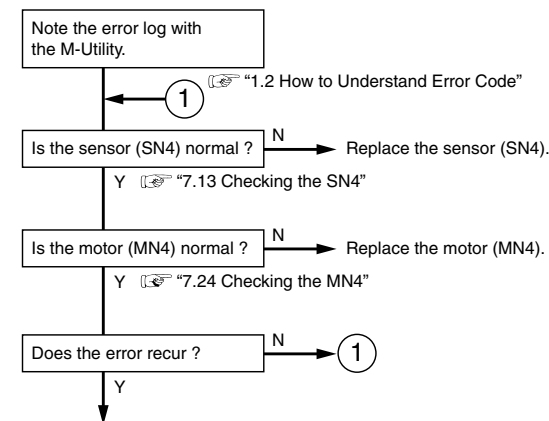


#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.

1. Turn OFF and uncover the machine.
2. Turn OFF the high-voltage switch (S1) on the SCN08D board.
3. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



Replace the components in the order indicated below:

1. SNS08C board
  2. DRV08A board
  3. CPU90E board
  4. MTH08C board
  5. SN4
  6. MN4
- Refer to the following sections for replacement and installation instructions:
- Refer to "15. Removing and Installing the PC Boards" in the "Checks, Replacement, and Adjustment of Parts" volume
  - Refer to "8.9 Cleaning Guide HP Sensor (SN4)" in the "Checks, Replacement, and Adjustment of Parts" volume
  - Refer to "8.6 Cleaning Guide Drive Motor (MN4)" in the "Checks, Replacement, and Adjustment of Parts" volume

FR7H2245.EPS

## 23F1, 23F2

### ■ Error Occurrence Conditions

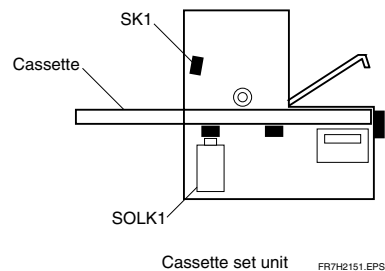
#### 23F1 Cassette detection logic failure 1

During routine (cassette IN monitoring), the cassette hold solenoid (SOLK1) is turned OFF to hold the cassette, but the cassette ejection sensor (SK1) does not transition from Open to Close.

#### 23F2 Cassette ejection logic failure 2

During routine (cassette IN monitoring), the cassette hold solenoid (SOLK1) is turned OFF to hold the cassette, but the cassette ejection sensor (SK1) does not transition from Open to Close.

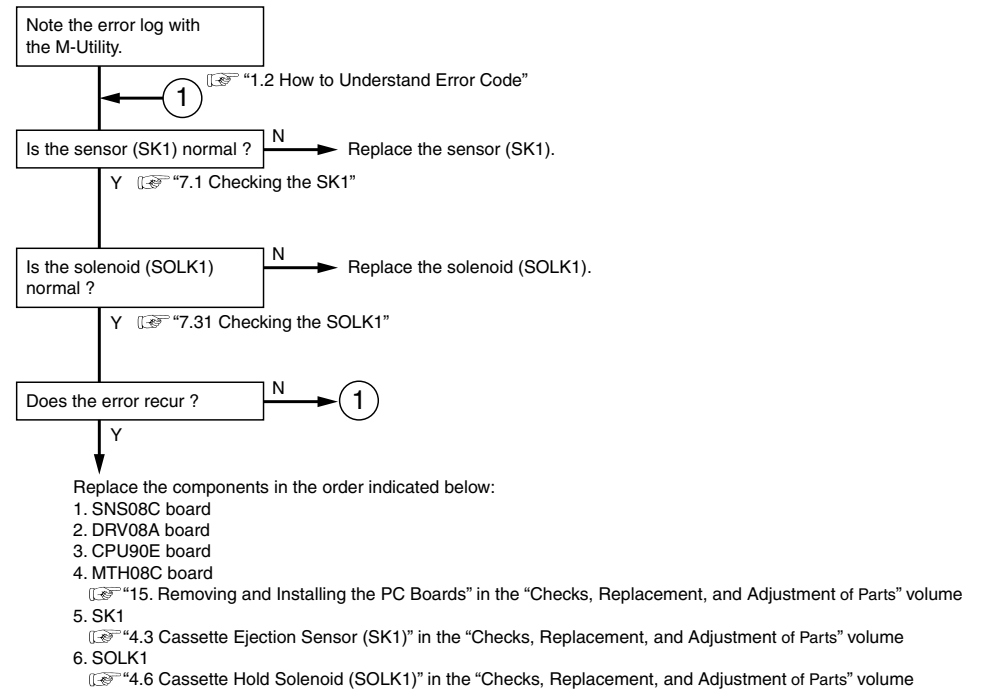
### ■ I/O Locations



### ■ Preparations

1. Turn OFF and uncover the machine
2. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2250.EPS

## 13F3, 23F3

### ■ Error Occurrence Conditions

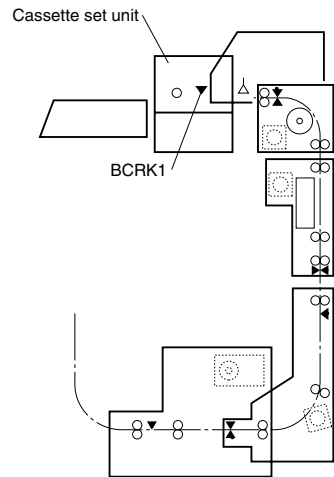
#### 13F3 Cassette barcode reading error

During routine (wait for cassette BCR data check), the barcode reader (BCRK1) is turned ON to determine the type of the cassette, but retry operation is performed three times or more (NK21).

#### 23F3 Cassette barcode reading retry

During routine (wait for cassette BCR data check), the barcode reader (BCRK1) is turned ON to determine the type of the cassette, but retry operation is performed three times (NK21).

### ■ I/O Locations

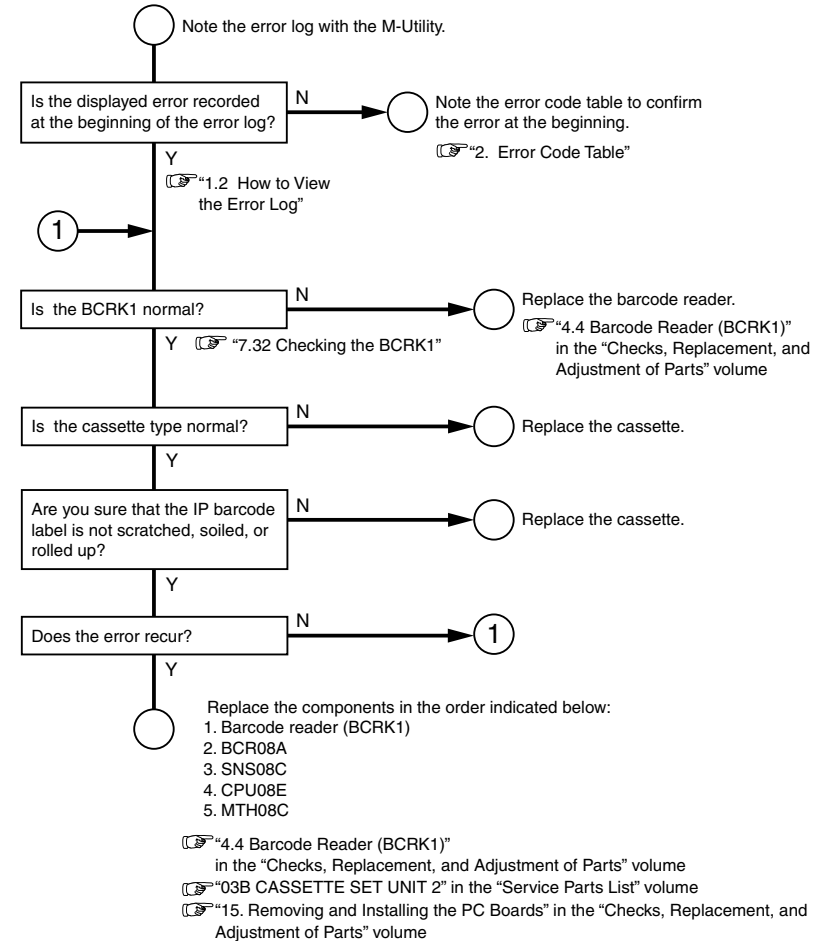


FR7H2152.EPS

### ■ Preparations

1. Turn OFF and uncover the machine
2. Check for foreign matter (lead character marking chips, etc.) inside the machine. Any foreign matter must be removed.

### ■ Analysis Flow



FR7H2820.EPS

## 5. Error Code Analysis Flow (Scanner)

### 0532, 2542, 2570

#### ■ Error Occurrence Conditions

##### 0532 Polygon mirror error 1

With polygon status check after initial laser power-ON, an error is detected.

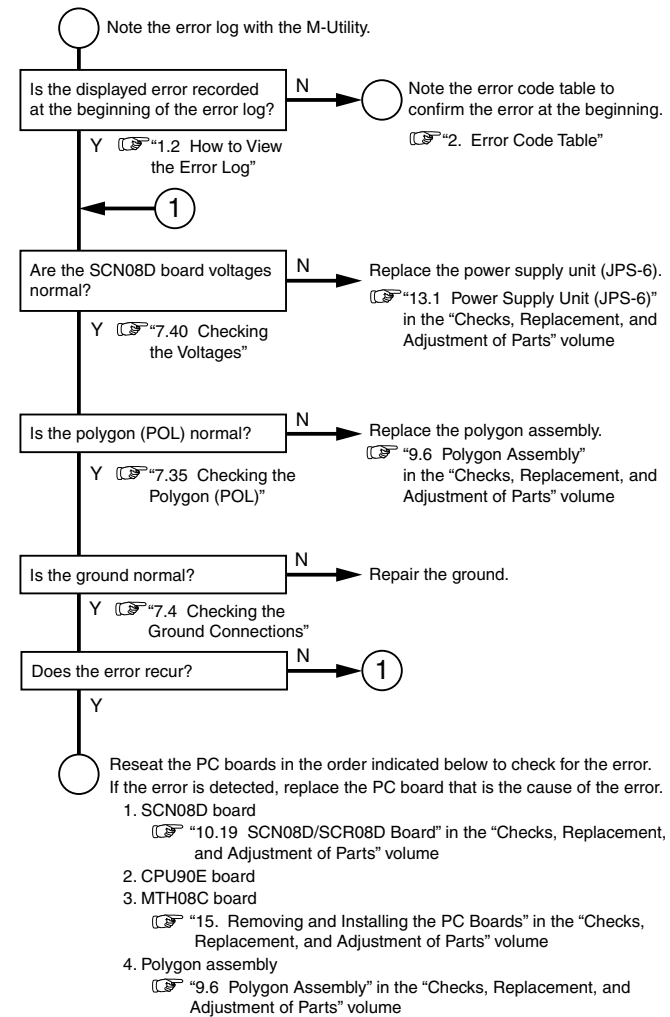
##### 2542 Polygon mirror error 2

With polygon status check during read, an error is detected.

##### 2570 Polygon mirror error 3

An abnormality was detected in the status check that was conducted when the system went down after a read error.

#### ■ Analysis Flow



FR7H2710.EPS

## 0534, 1533, 2543, 2544, 2571, 2572, 2573, 2574

### ■ Error Occurrence Conditions

#### 0534 Laser power error 1

With initial laser power status check, an error is detected.

#### 1533 Laser power insufficient error 1

With initial laser power status check, an insufficient power is detected.

#### 2543 Insufficient laser power error 2

With laser power status check during read, an insufficient power is detected.

#### 2544 Laser power error 2

With laser power status check during read, an error is detected.

#### 2571 Insufficiency laser power error 4

An abnormality was detected in the status check that was conducted after read condition setup.

#### 2572 Laser error 4

An abnormality was detected in the status check that was conducted after read condition setup.

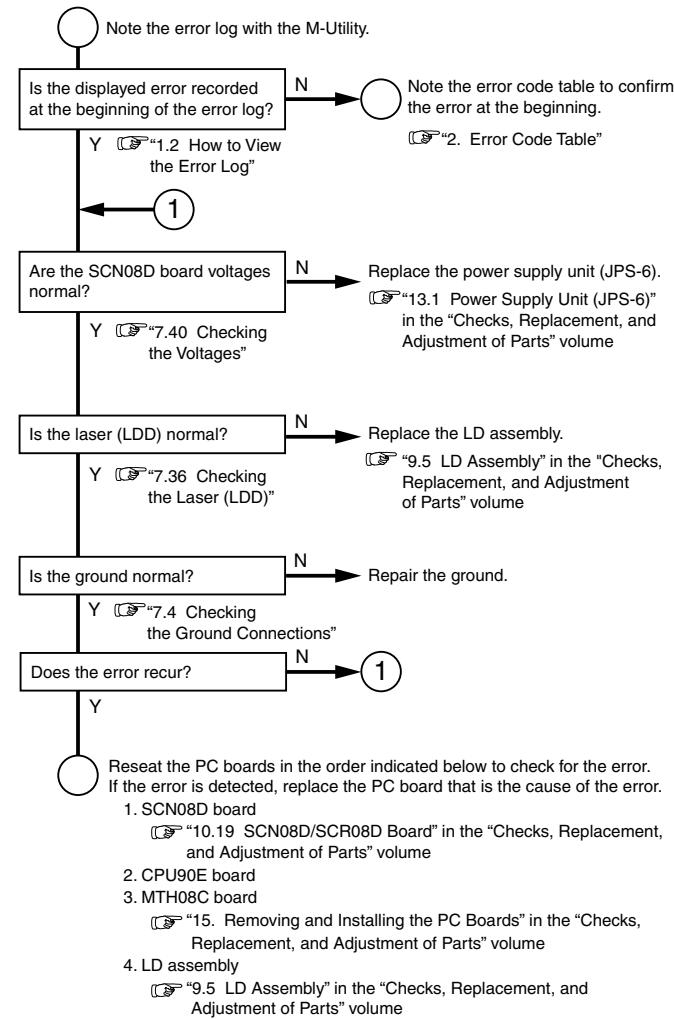
#### 2573 Insufficiency laser power error 3

An abnormality was detected in the status check that was conducted when the system went down after a read error.

#### 2574 Laser error 3

An abnormality was detected in the status check that was conducted when the system went down after a read error.

### ■ Analysis Flow



FR7H2711.EPS



## 0536, 2535, 2545, 2546

### ■ Error Occurrence Conditions

#### 0536 Analog power supply error 1

Analog power supply error is detected in the PMT08D board.

#### 2535 HV voltage error 1

With initial HV voltage status check, an error is detected.

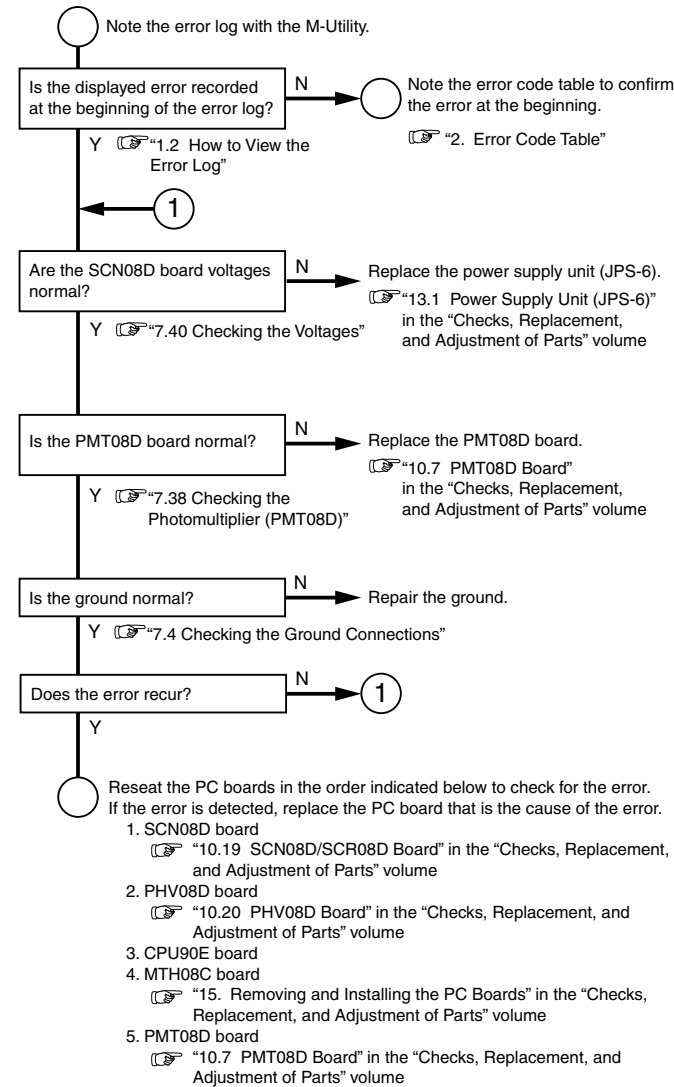
#### 2545 HV voltage error 2

With HV voltage status check during read, an error is detected.

#### 2546 Analog power supply error 2

Analog power supply error is detected in the PMT08D board.

### ■ Analysis Flow



FR7H2712.EPS

## 0537, 2547, 2575

### ■ Error Occurrence Conditions

#### 0537 Start point detection error 1

With initial start-point detection status check, an error is detected.

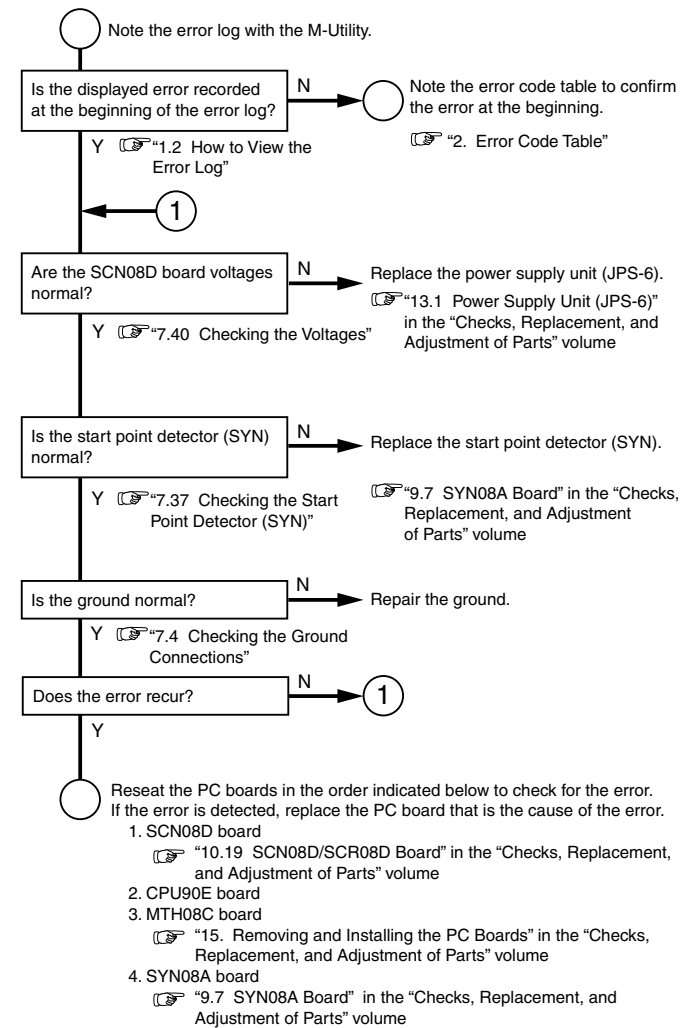
#### 2547 Start point detection error 2

With start-point detection status check during read, an error is detected.

#### 2575 Start point detection error 3

An abnormality was detected in the status check that was conducted when the system went down after a read error.

### ■ Analysis Flow



FR7H2715.EPS

## 0538, 2530, 2548, 2576

### ■ Error Occurrence Conditions

#### 0538 IP leading edge detection error 1

With initial leading-edge detection status check, an error is detected.

#### 2530 Interrupt diagnosis error 1 (leading-edge detection)

During scanner self-diagnostics, a leading-edge detection interrupt does not occur.

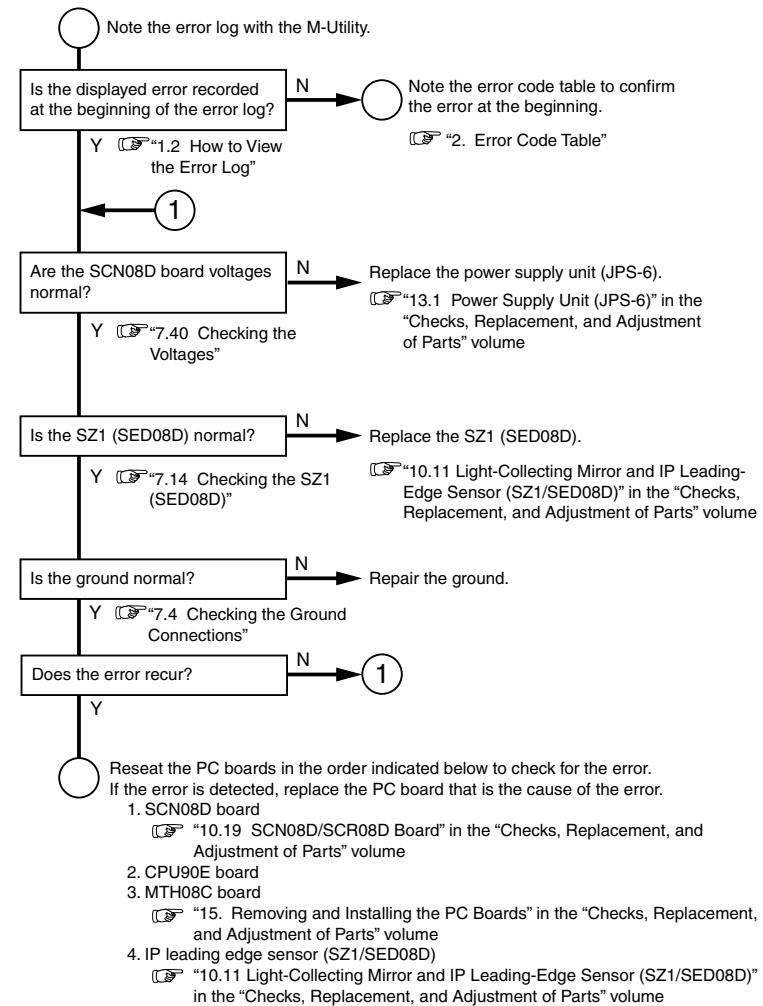
#### 2548 IP leading edge detection error 2

With leading-edge detection status check during read, an error is detected.

#### 2576 IP leading edge detection error 3

An abnormality was detected in the status check that was conducted when the system went down after a read error.

### ■ Analysis Flow



FR7H2713.EPS

## 0563, 2560, 2561, 2564

### ■ Error Occurrence Conditions

#### 0563 Analog power supply error 1

Alalog power supply error is detected in the PMR08C board.

#### 2560 HV voltage error 1

With the initialization HV voltage status check, an error is detected (photomultiplier on the back).

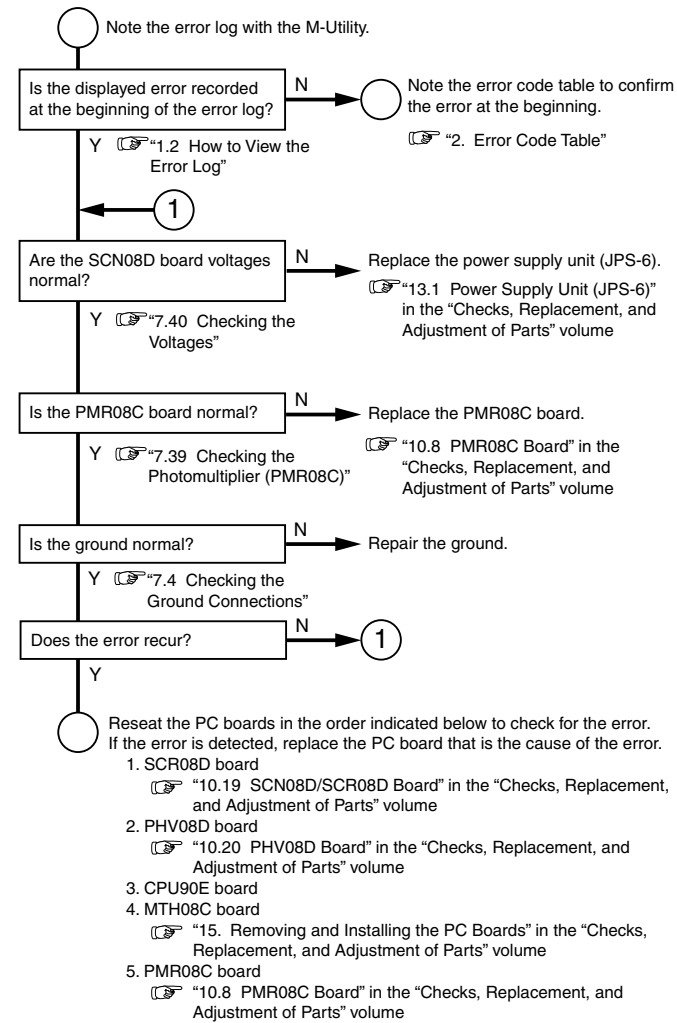
#### 2561 HV voltage error 2

With the HV voltage status check during reading, an error is detected (photomultiplier on the back).

#### 2564 Analog power supply error 2

Alalog power supply error is detected in the PMR08C board.

### ■ Analysis Flow



FR7H2714.EPS

## 6. Error Code Analysis Flow (Electrical)

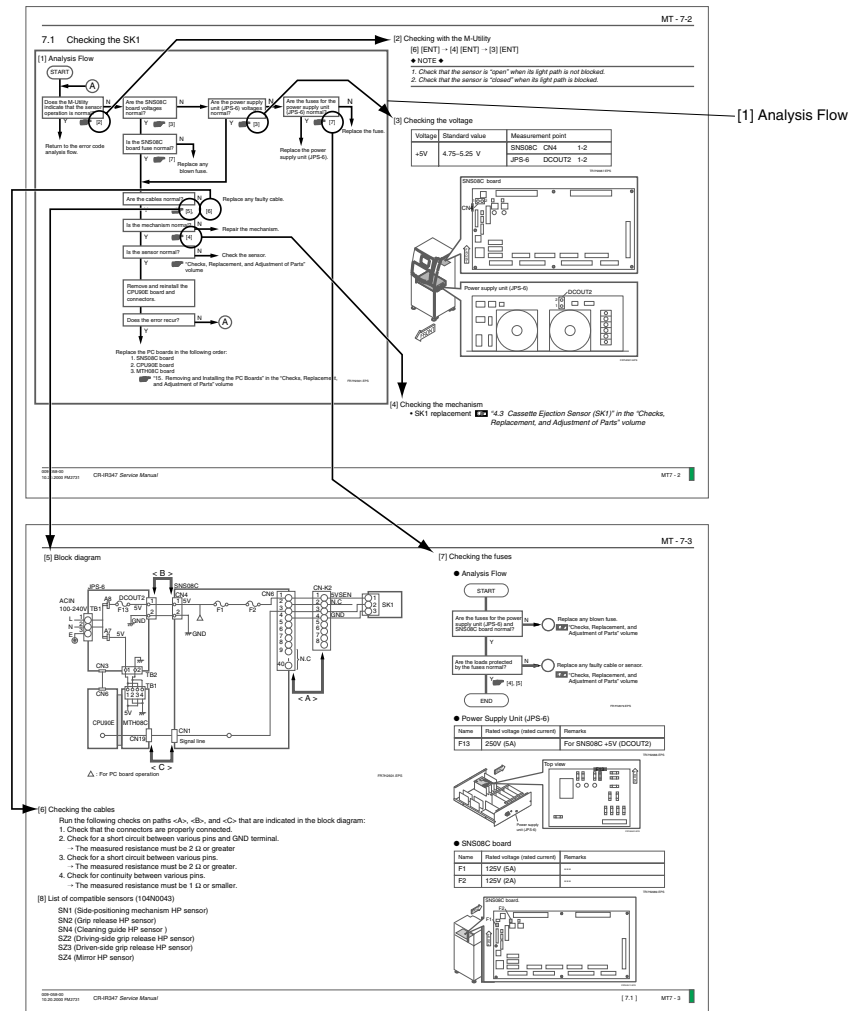
## 7. Checkout Flowcharts

### ■ How to Use the Checkout Flow

In this chapter, for isolation of trouble, follow "[1] Analysis Flow."

Start the analysis from "START" and check the respective checkpoints. Proceed to either Y (Yes) or N (No), depending on the result of the check, and perform the checkout again, as needed. Repeat this process.

The reference (LS mark) assigned to the respective checkpoints is a location where specific procedures are described for the checkpoint.

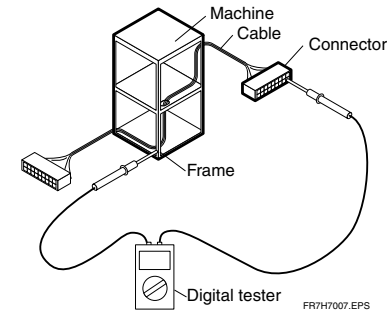


### ■ If "Cable Check" is Available in Checkout Flow

To test for continuity of the cable, check its short/ground condition as follows.

<Check for cable short fault>

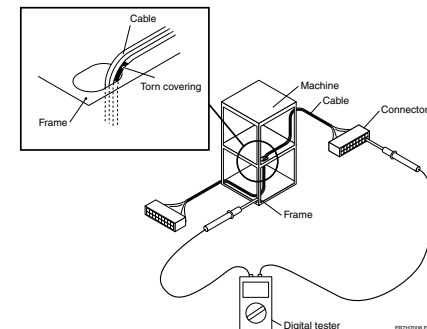
Measure the resistance between all the pins of the connector and the frame and make sure that the resulting measurements are not 1 Ω or smaller.



<Check for cable ground fault>

The ground fault is such that the sheath of the cable is broken and its conductor is in contact with the frame, as illustrated below.

Continuity is found between the frame and pin.



### ■ If "Fuse Check" is Available in the Checkout Flow

The number of the fuse and/or the subject to be protected by it may be changed with modification to the board. If any change is not reflected in the block diagram of the checkout flow, refer to the power supply related fuse block diagram to check for latest information.

LS "1.6 Power Supply Fuse Related Block Diagram" in the "Machine Description" volume

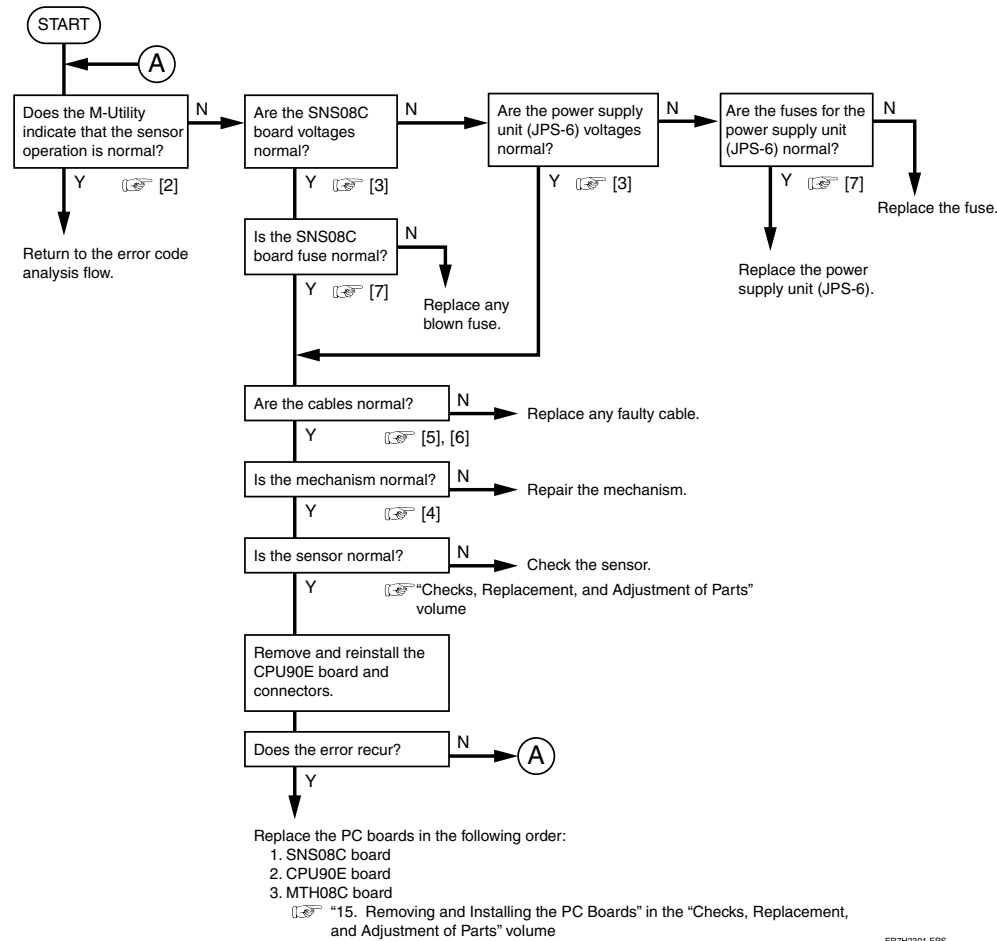
### ■ If "Board Check" is Available in the Checkout Flow

When checking the fuse on the board, analyze the entire board as needed.

LS "7.41 Checking the Boards"

## 7.1 Checking the SK1

### [1] Analysis Flow



### [2] Checking with the M-Utility

[6] [ENT] → [4] [ENT] → [3] [ENT]

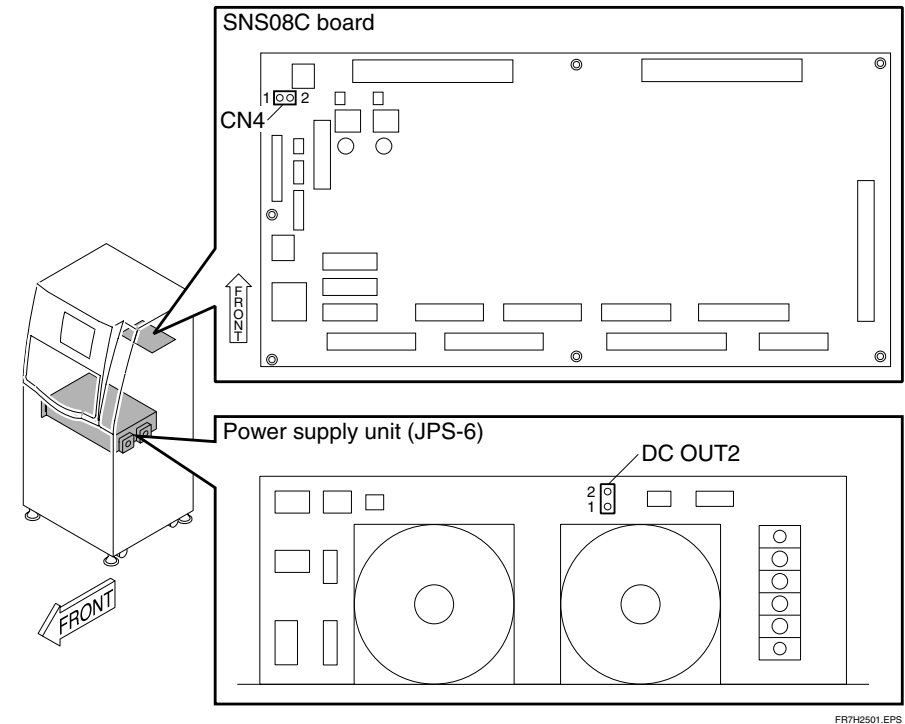
#### ◆ CHECKS ◆

1. Check that the sensor is "open" when its light path is not blocked.
2. Check that the sensor is "closed" when its light path is blocked.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

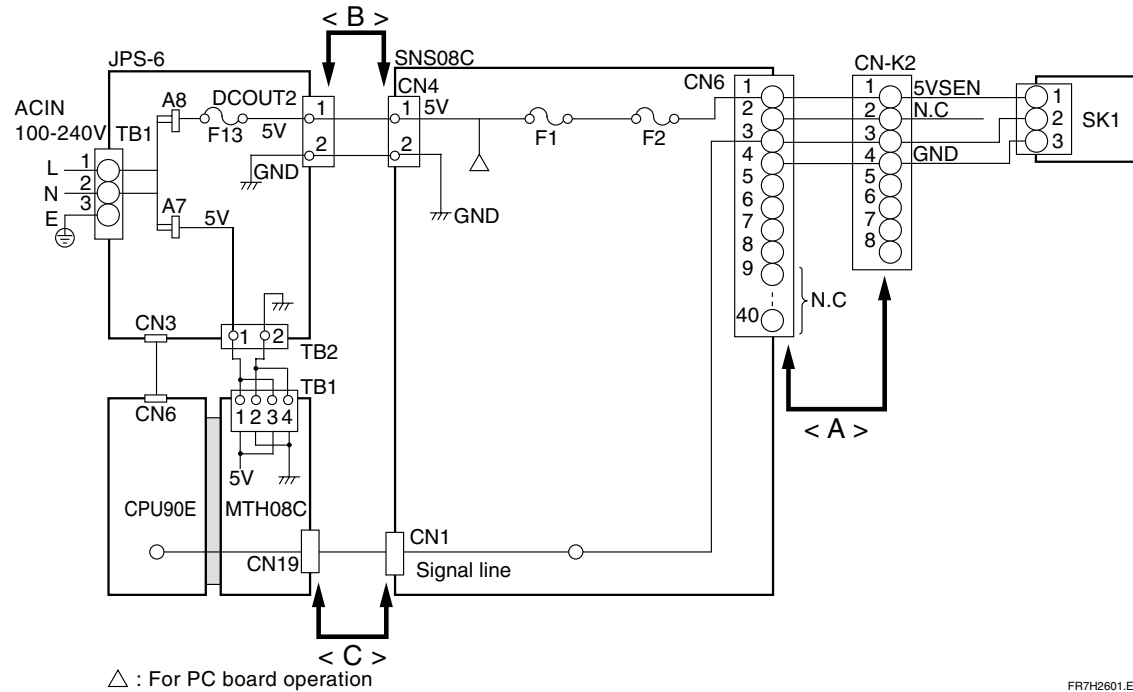
TR7H2087.EPS



### [4] Checking the mechanism

- SK1 replacement
  - ☞ "4.3 Cassette Ejection Sensor (SK1)" in the "Checks, Replacement, and Adjustment of Parts" volume

**[5] Block diagram**



## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

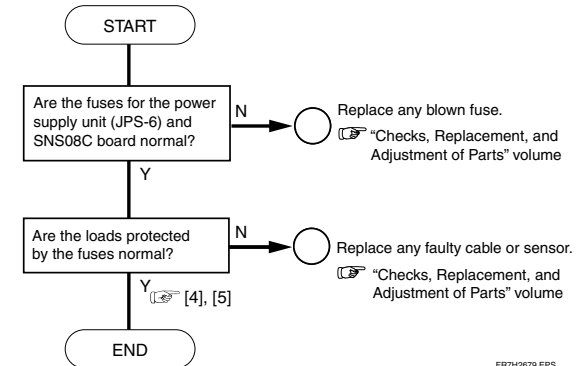
1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be  $2\ \Omega$  or greater
3. Check for a short circuit between various pins.  
→ The measured resistance must be  $2\ \Omega$  or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be  $1\ \Omega$  or smaller.

**[8] List of compatible sensors (104N0043)**

- SN1 (Side-positioning mechanism HP sensor)
- SN2 (Grip release HP sensor)
- SN4 (Cleaning guide HP sensor )
- SZ2 (Driving-side grip release HP sensor)
- SZ3 (Driven-side grip release HP sensor)
- SZ4 (Mirror HP sensor)

## [7] Checking the fuses

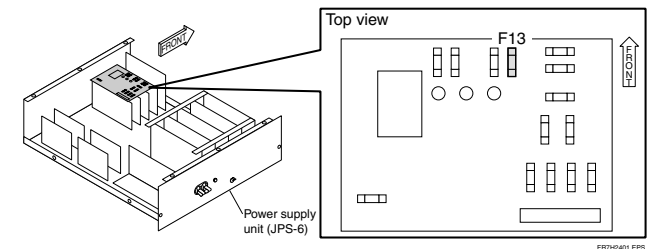
## ● Analysis Flow



### ● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F13	250V (5A)	For SNC08C +5 V (DCOUT2)

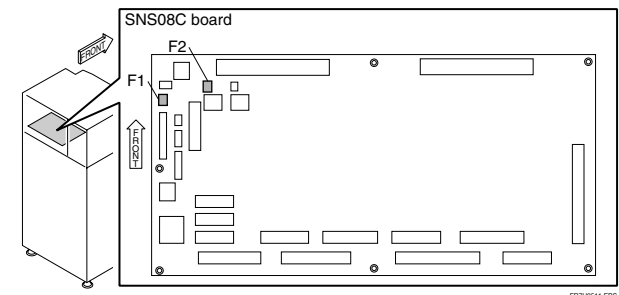
TR7H2088.EPS



- SNS08C board

Name	Rated voltage (rated current)	Remarks
F1	125V (5A)	---
F2	125V (2A)	---

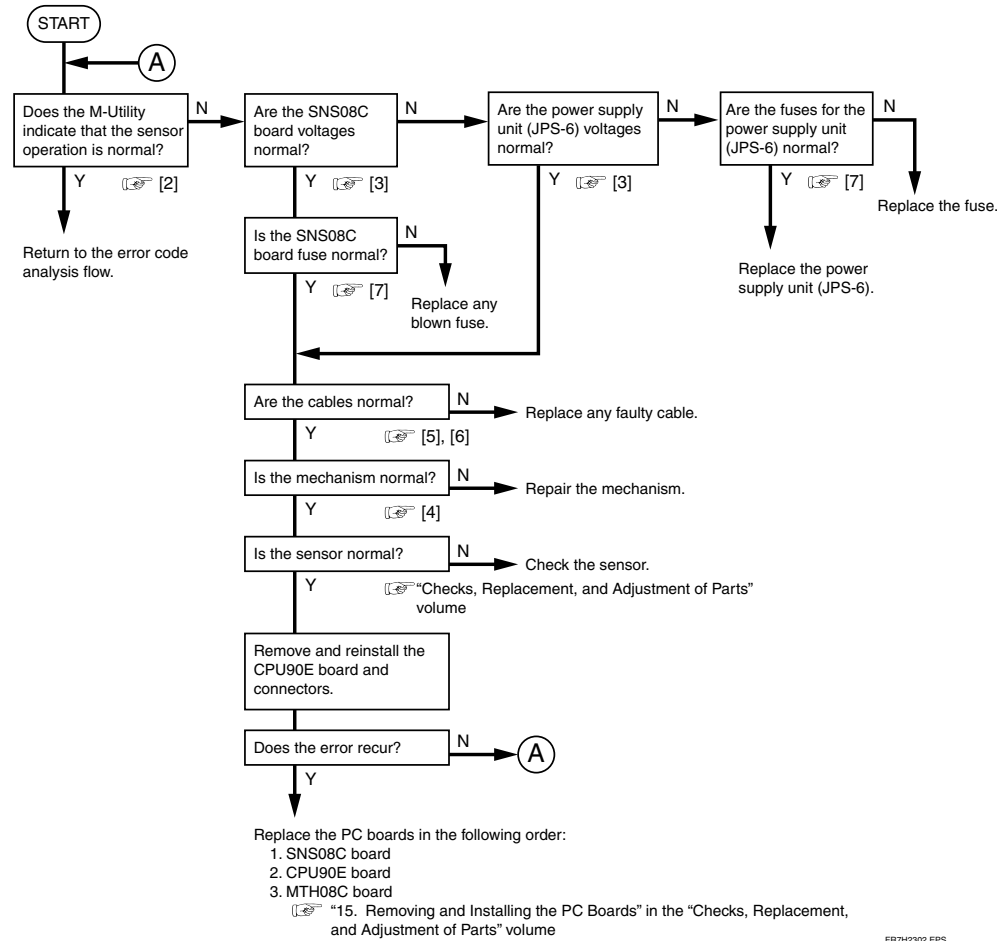
TR7H2089.EPS





## 7.2 Checking the SK2

### [1] Analysis Flow



### [2] Checking with the M-Utility

[6] [ENT] → [4] [ENT] → [3] [ENT]

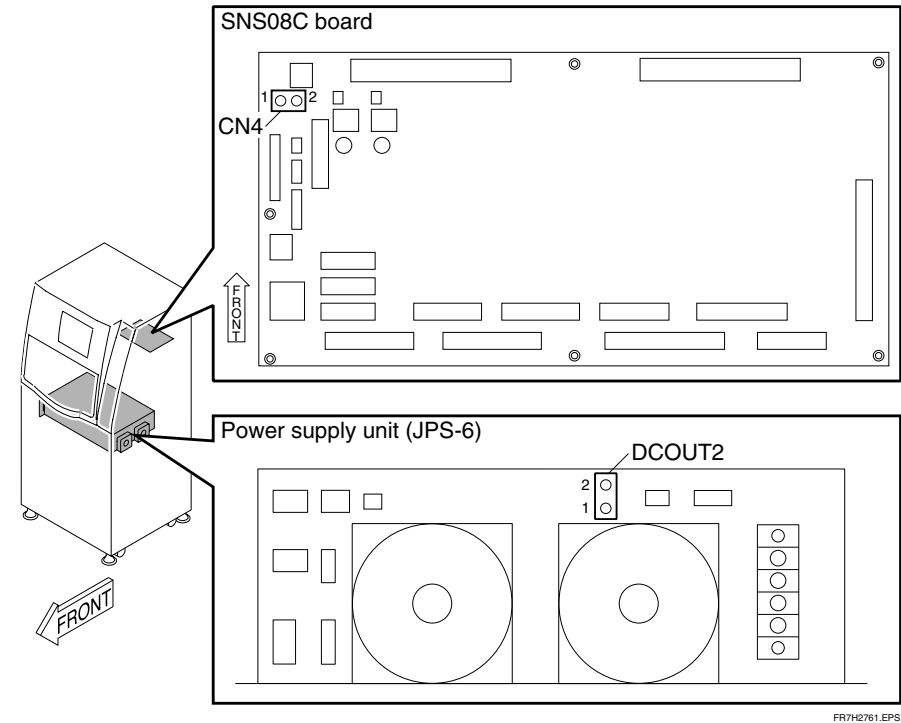
#### ◆ CHECKS ◆

1. Check that the sensor is "open" when no cassette is set in position.
2. Check that the sensor is "closed" when a cassette is set in position.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

TR7H2090.EPS

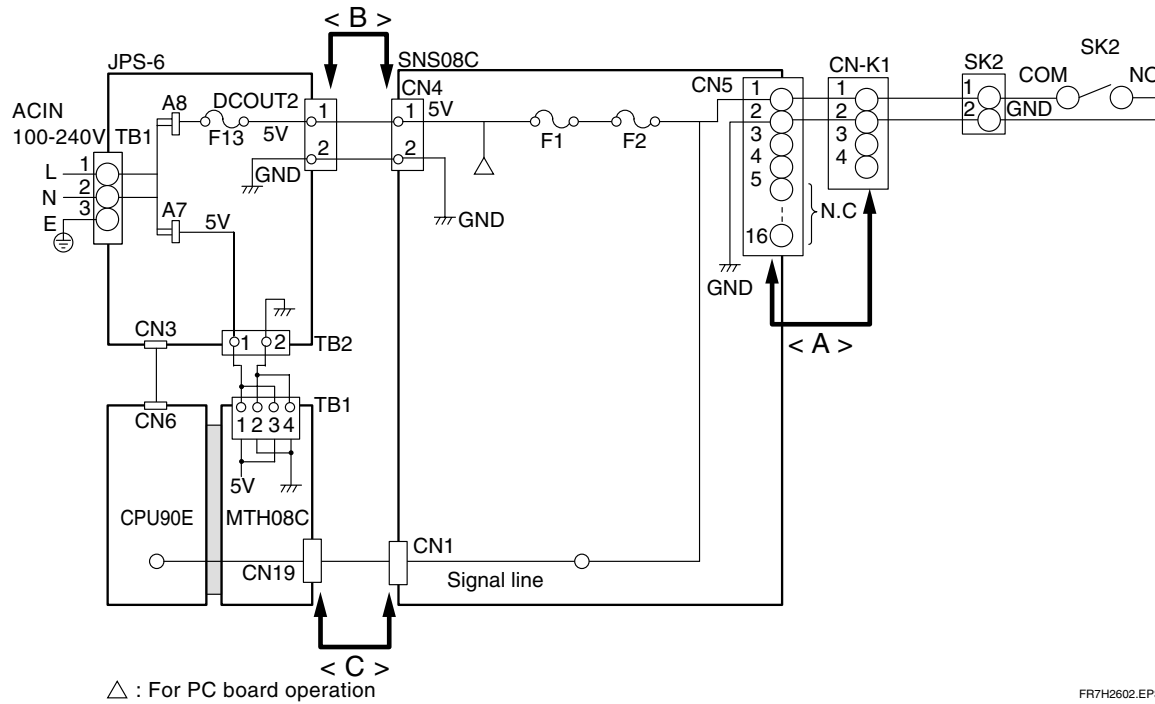


FR7H2761.EPS

### [4] Checking the mechanism

- SK2 replacement
- ☞ "4.9 Cassette IN Sensor (SK2)" in the "Checks, Replacement, and Adjustment of Parts" volume

## [5] Block diagram



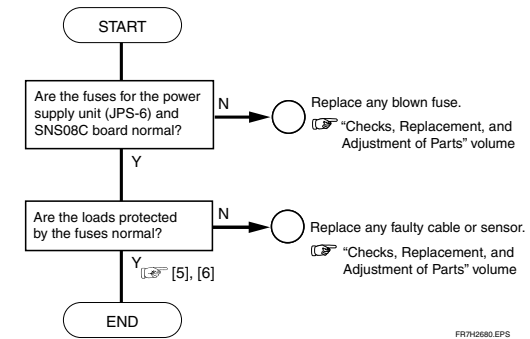
## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

## [7] Checking the fuses

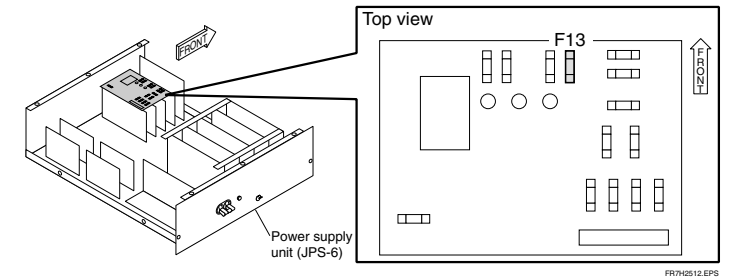
### ● Analysis Flow



### ● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F13	250V (5A)	For SNS08C +5 V (DCOUT2)

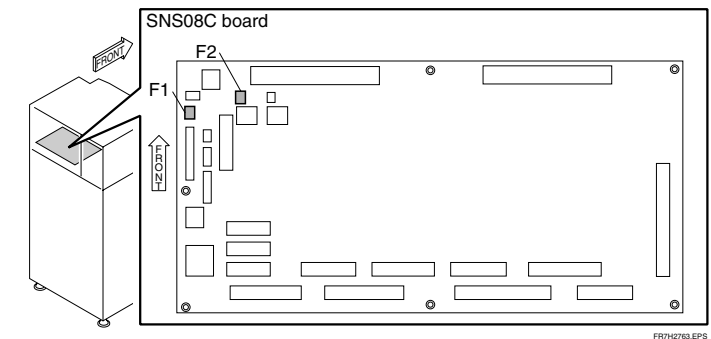
TR7H2091.EPS



### ● SNS08C board

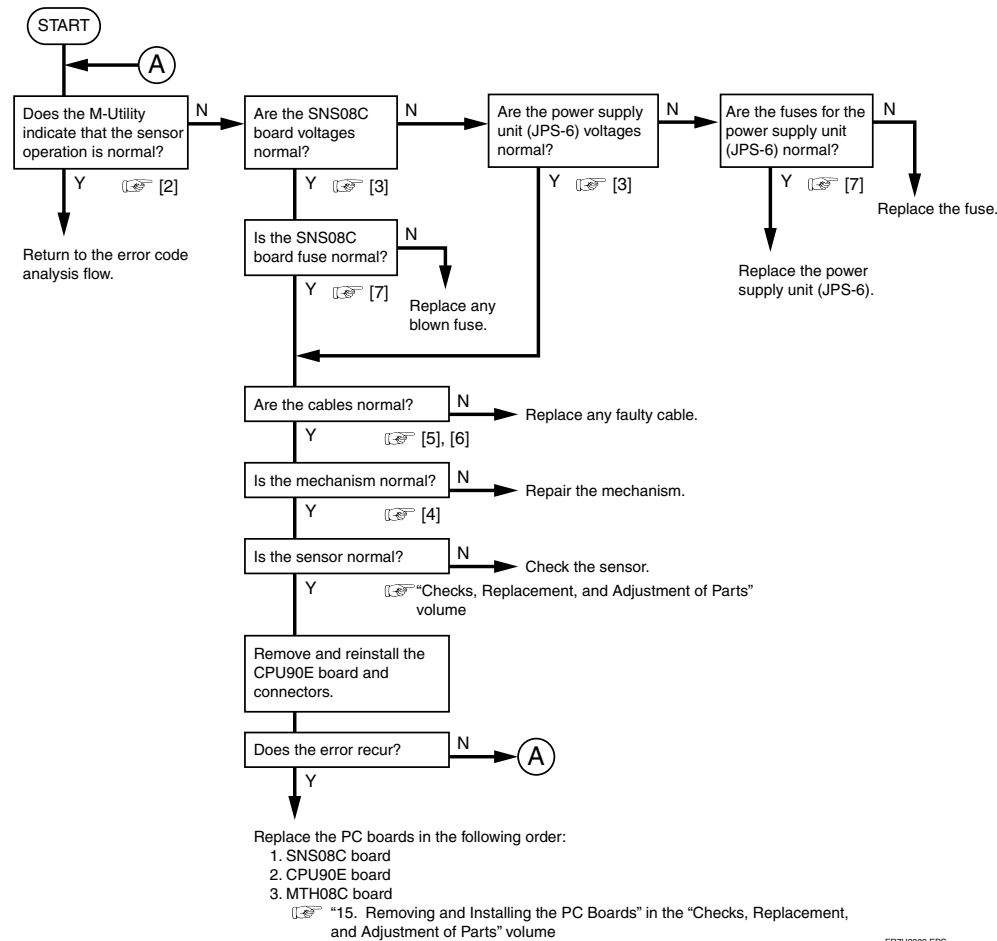
Name	Rated voltage (rated current)	Remarks
F1	125V (5A)	---
F2	125V (2A)	---

TR7H2092.EPS



## 7.3 Checking the SK3

### [1] Analysis Flow



### [2] Checking with the M-Utility

[6] [ENT] → [4] [ENT] → [3] [ENT]

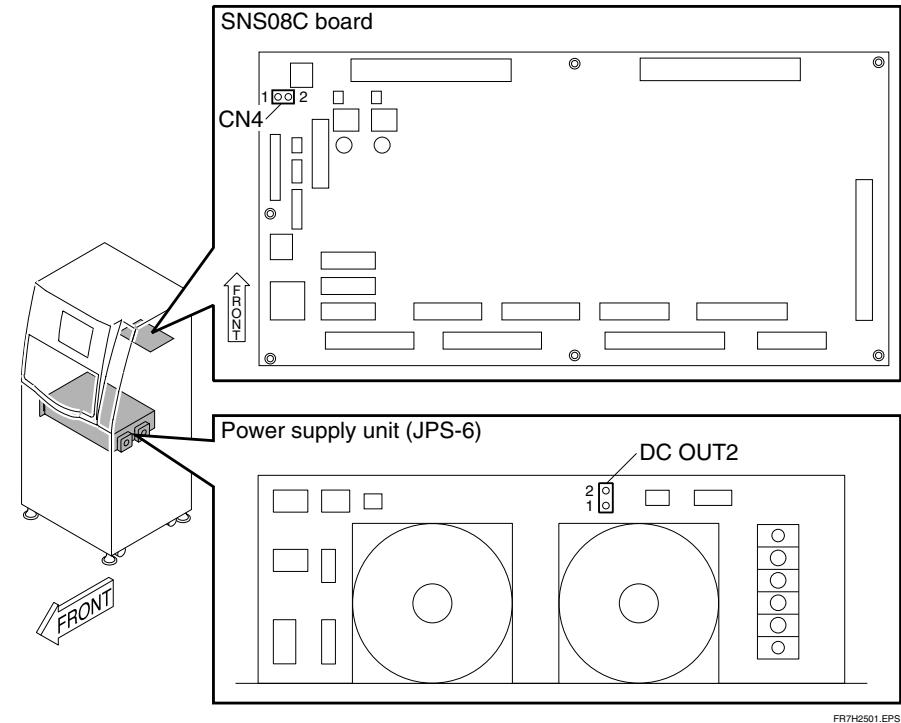
#### ◆ CHECKS ◆

1. Check that the sensor is "open" when its light path is not blocked.
2. Check that the sensor is "closed" when its light path is blocked.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

TR7H2093.EPS

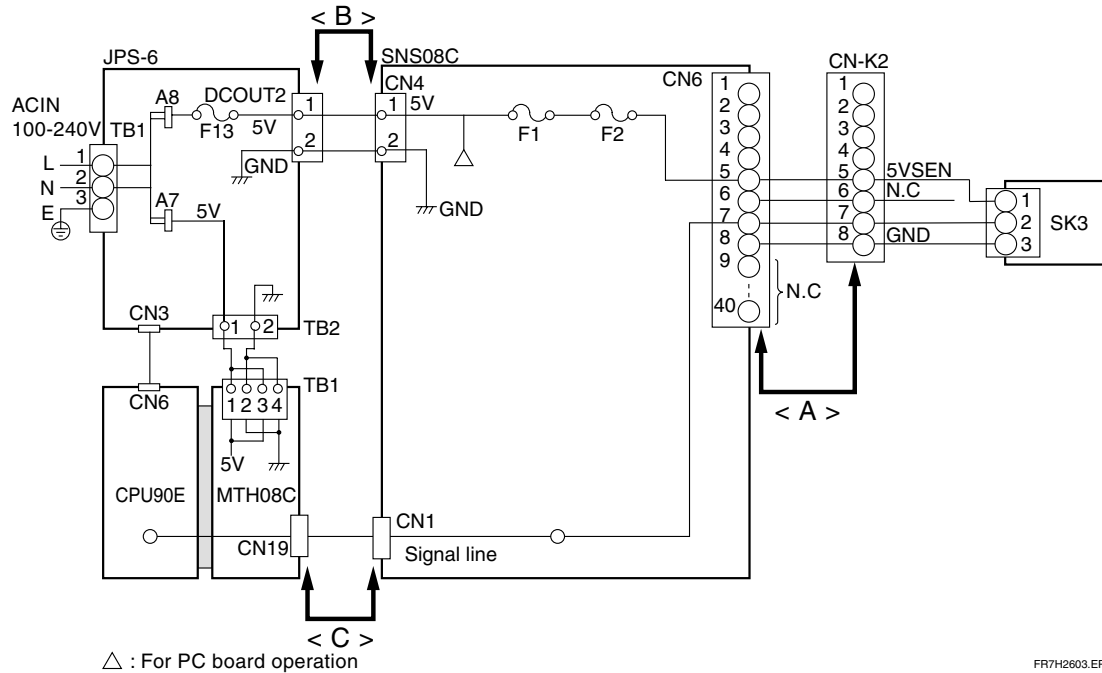


FR7H2501.EPS

### [4] Checking the mechanism

- SK3 replacement
- ☞ "4.7 Cassette Hold Sensor (SK3)" in the "Checks, Replacement, and Adjustment of Parts" volume

## [5] Block diagram



## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

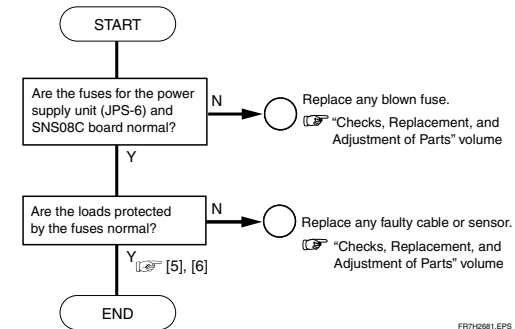
1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

## [8] List of compatible sensors (104N0044)

SL1 (Suction cup HP sensor)

## [7] Checking the fuses

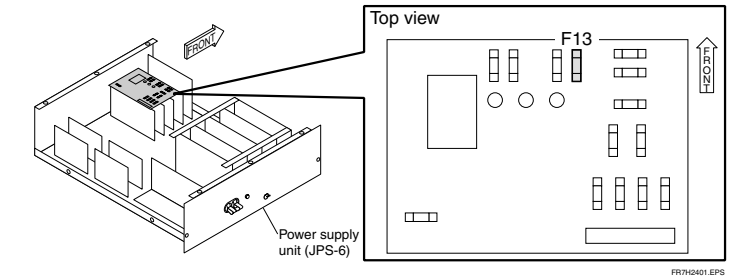
### ● Analysis Flow



### ● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F13	250V (5A)	For SNC08C +5 V (DCOUT2)

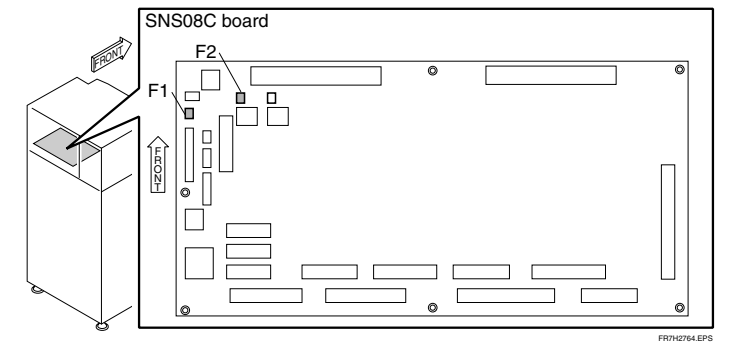
TR7H2094.EPS



### ● SNS08C board

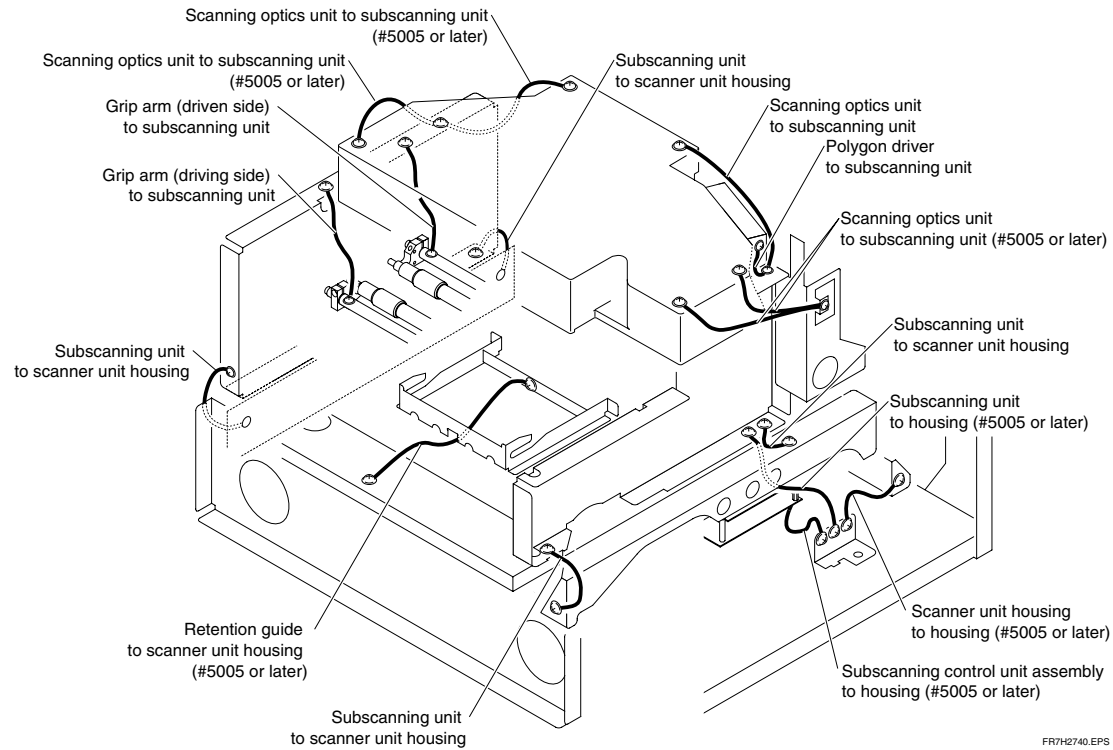
Name	Rated voltage (rated current)	Remarks
F1	125V (5A)	---
F2	125V (2A)	---

TR7H2095.EPS



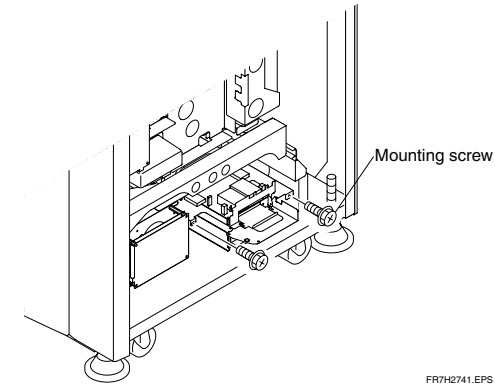
## 7.4 Checking the Ground Connections

If the ground wires shown in the figure below are disconnected, noise generation may occur. Check that the ground wires are properly connected.



### ◆ NOTE ◆

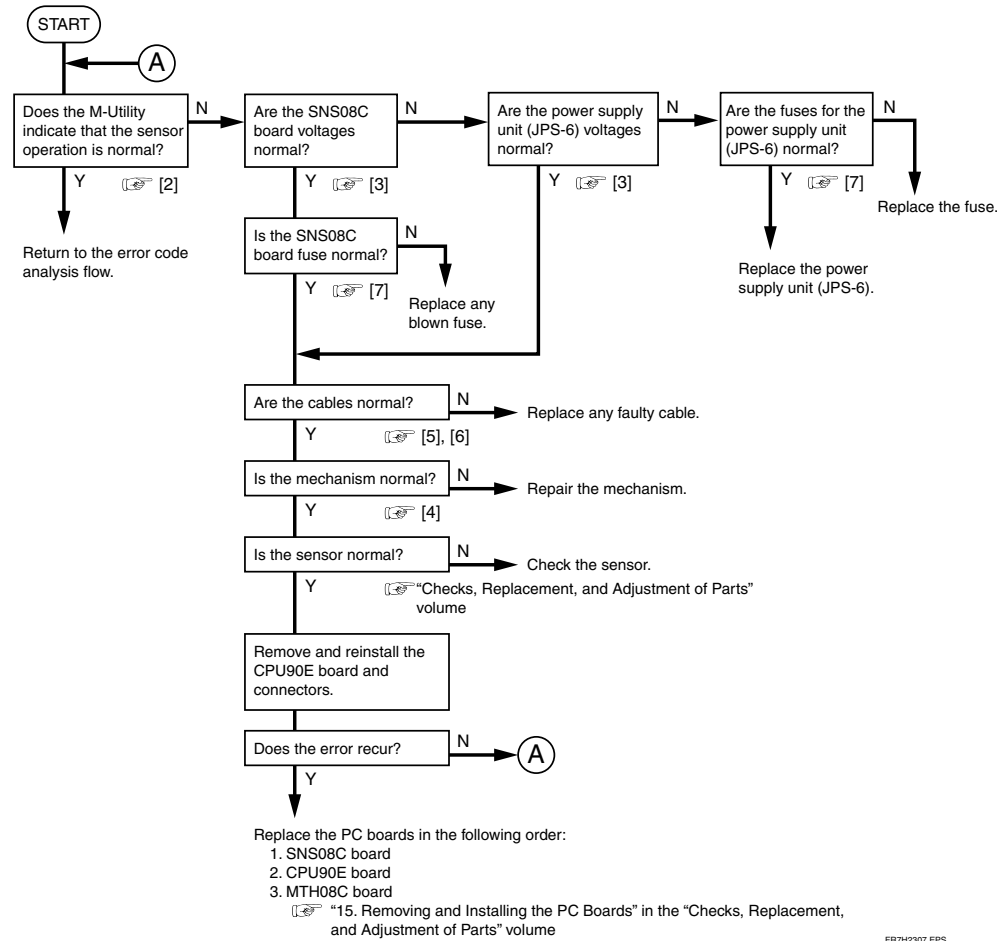
The mounting screws for the units, subscanning unit controller assembly, and PC boards also provide ground connections. Therefore, check that such mounting screws are not loose or removed.



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## 7.5 Checking the SL1

### [1] Analysis Flow



### [2] Checking with the M-Utility

[6] [ENT] → [4] [ENT] → [3] [ENT]

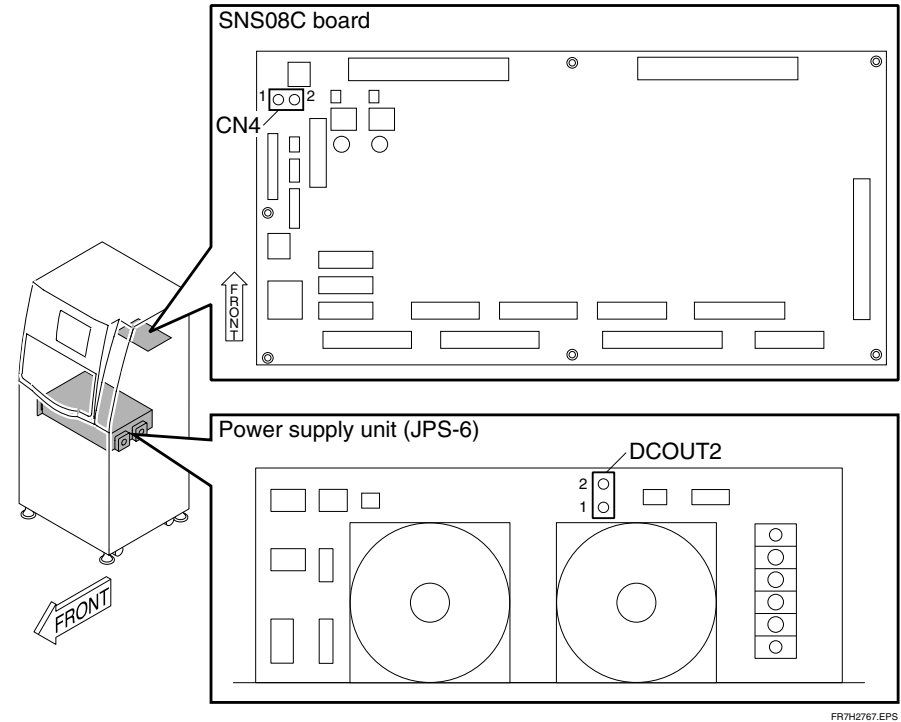
#### ◆ CHECKS ◆

1. Check that the sensor is "open" when its light path is not blocked.
2. Check that the sensor is "closed" when its light path is blocked.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

TR7H2096.EPS

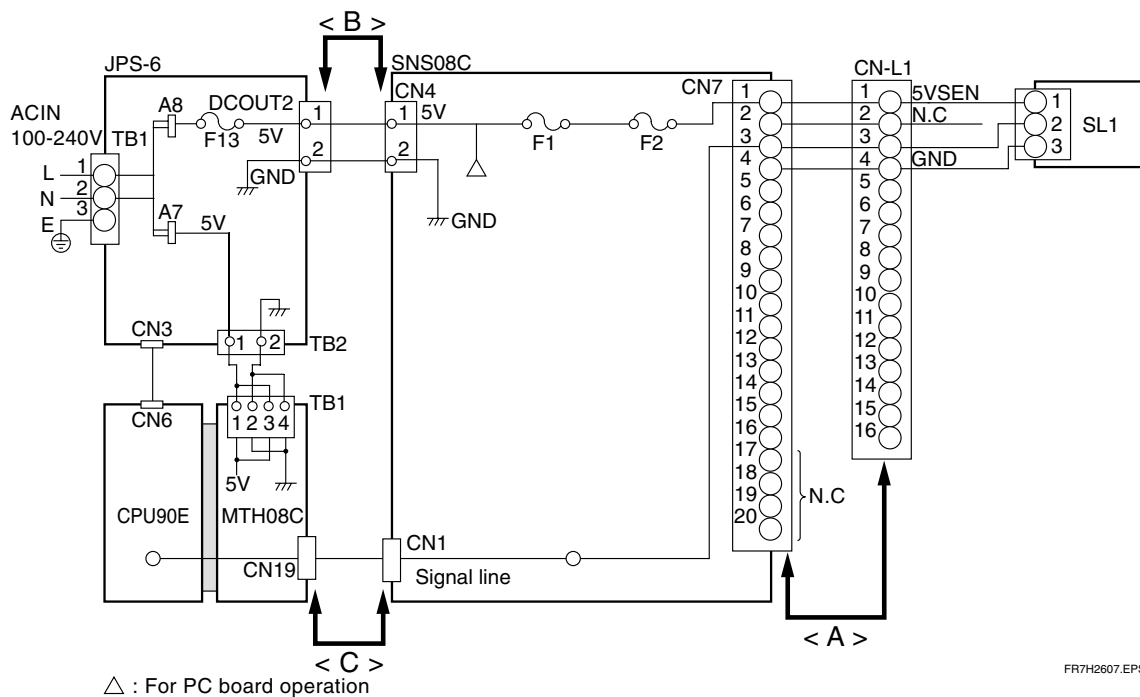


FR7H2767.EPS

### [4] Checking the mechanism

- SL1 replacement
  - ☞ "5.3 Suction Cup HP Sensor (SL1)" in the "Checks, Replacement, and Adjustment of Parts" volume

**[5] Block diagram**



## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

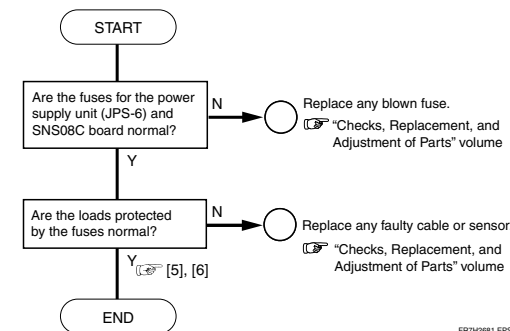
1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be  $2\ \Omega$  or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be  $2\ \Omega$  or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be  $1\ \Omega$  or smaller.

**[8] List of compatible sensors (104N0044)**

SK3 (Cassette hold HP sensor)

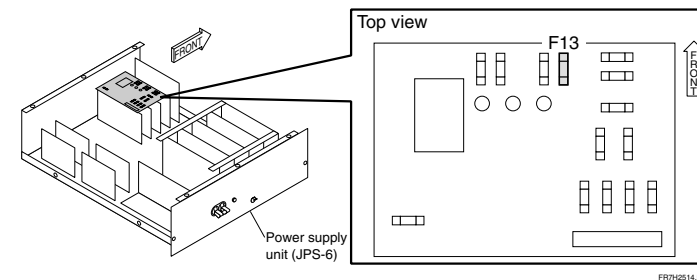
## [7] Checking the fuses

## ● Analysis Flow



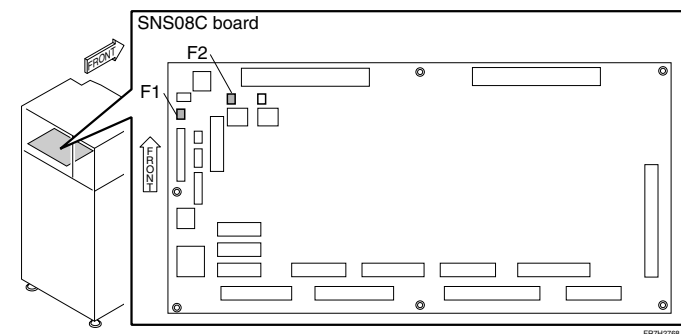
### ● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F13	250V (5A)	For SNC08C +5 V (DCOUT2)



● **SNS08C board**

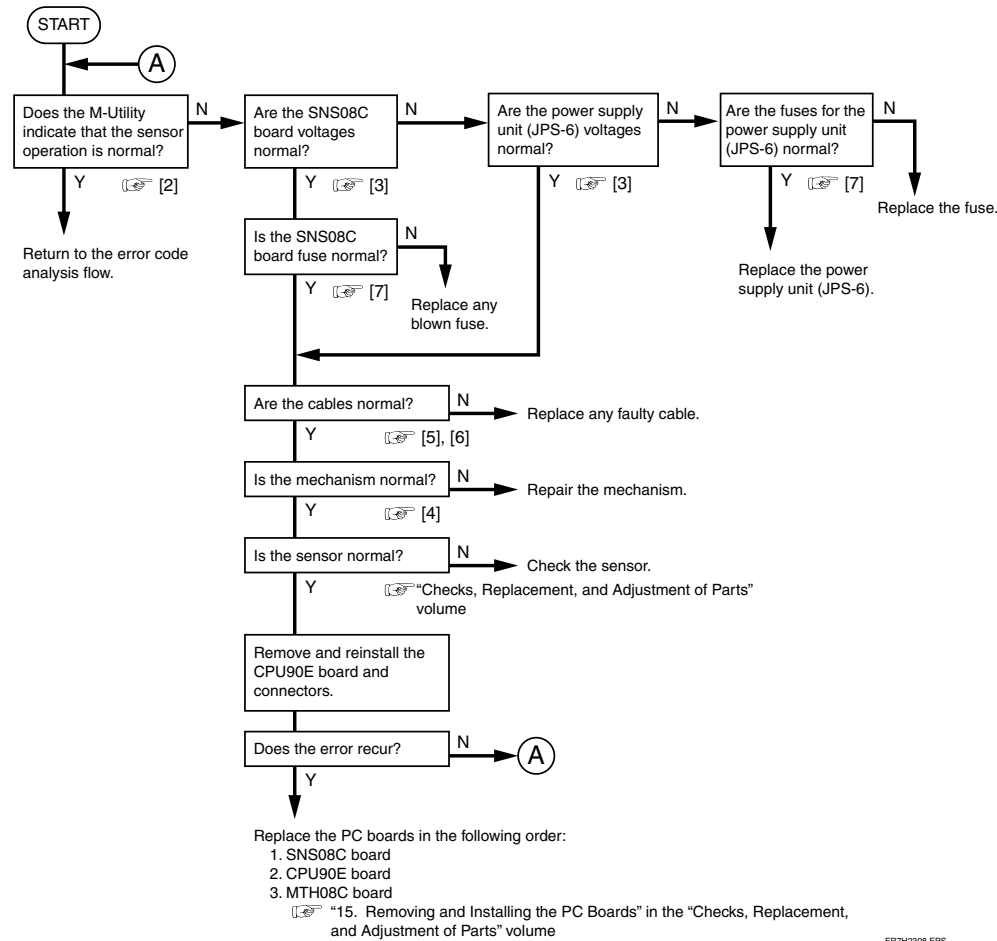
Name	Rated voltage (rated current)	Remarks
F1	125V (5A)	---
F2	125V (2A)	---





## 7.6 Checking the SL2

### [1] Analysis Flow

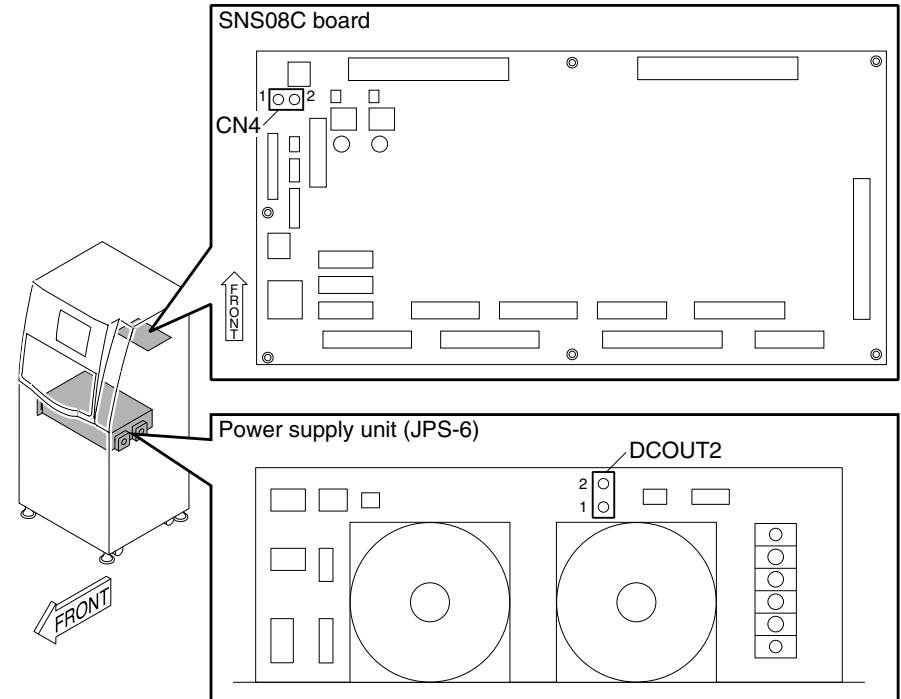


FR7H2308.EPS

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

TR7H2099.EPS



FR7H2769.EPS

### [4] Checking the mechanism

- SL2 replacement
- ☞ "04B IP REMOVAL UNIT 2" in the "Service Parts List" volume

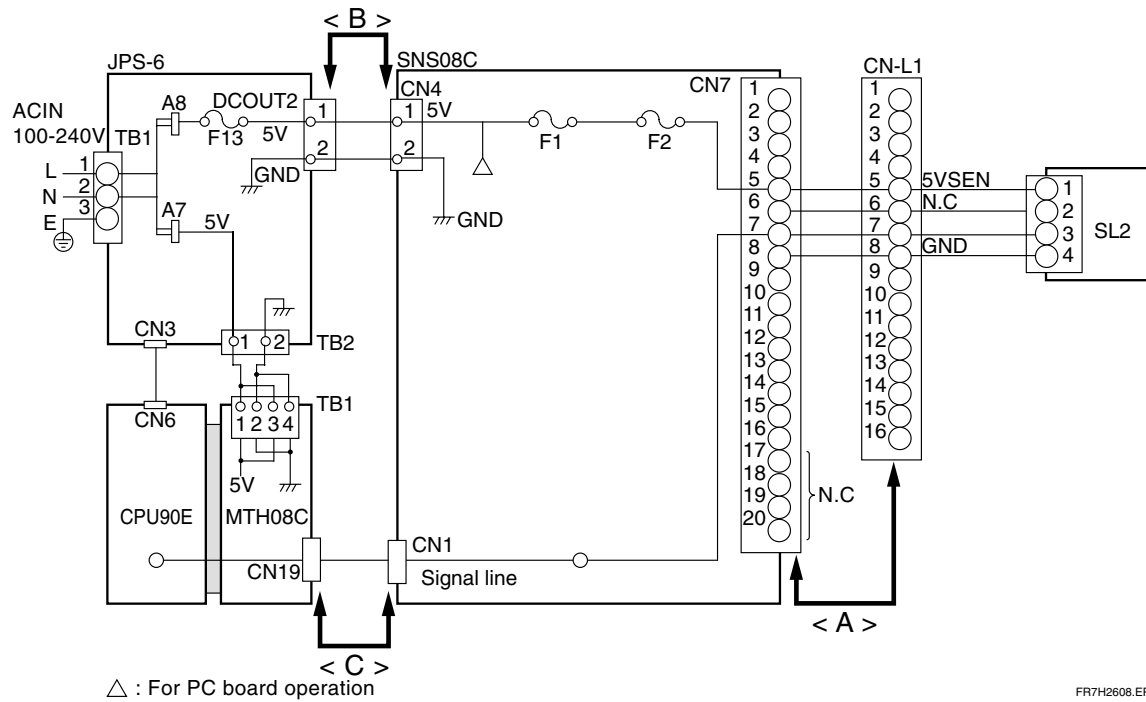
### [2] Checking with the M-Utility

[6] [ENT] → [4] [ENT] → [3] [ENT]

#### ◆ CHECKS ◆

1. Check that the sensor is "open" when its light path is not blocked.
2. Check that the sensor is "closed" when its light path is blocked.

## [5] Block diagram



## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

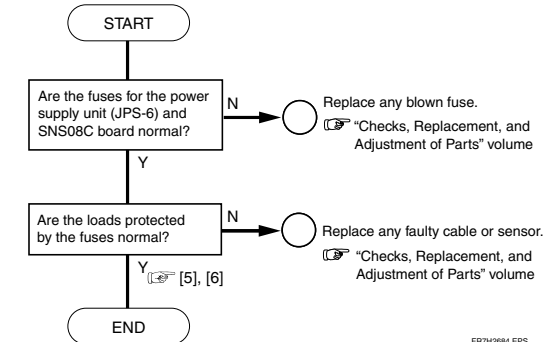
1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

## [8] List of compatible sensors (113Y0038)

- SM1 (Before-BCR IP sensor)
- SN3 (Side-positioning IP sensor)

## [7] Checking the fuses

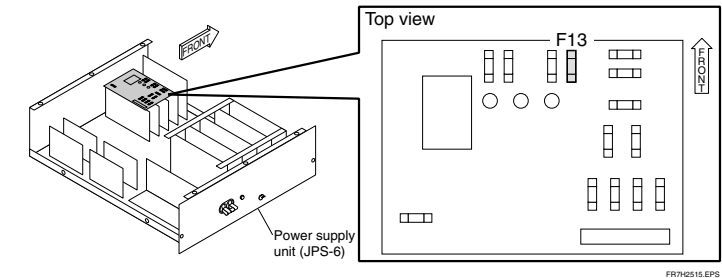
### ● Analysis Flow



### ● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F13	250V (5A)	For SNC08C +5 V (DCOUT2)

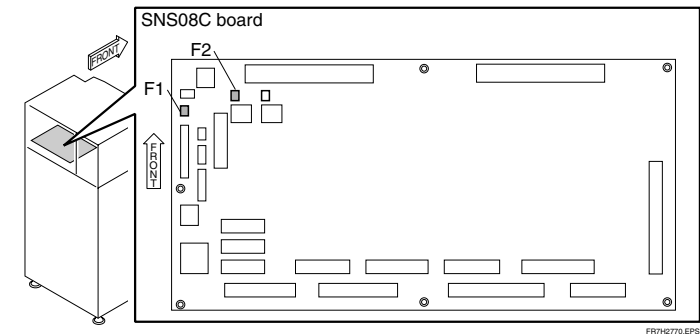
TR7H2100.EPS



### ● SNS08C board

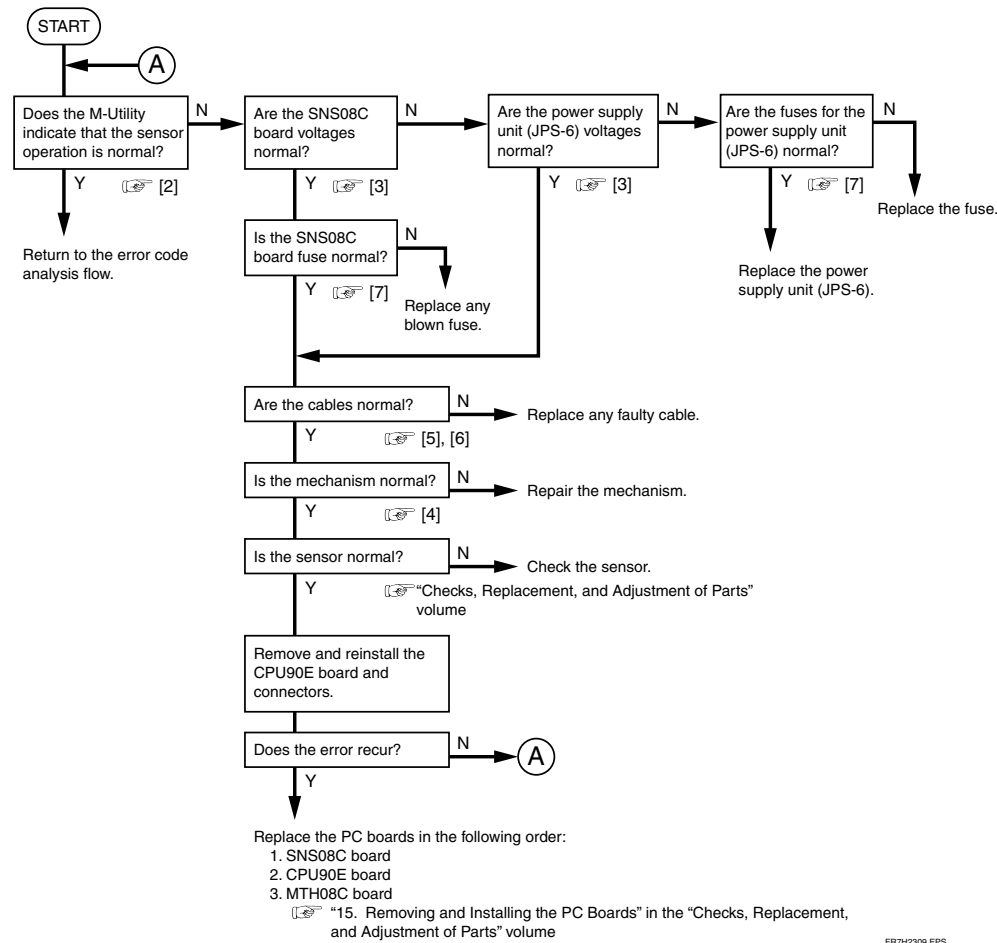
Name	Rated voltage (rated current)	Remarks
F1	125V (5A)	---
F2	125V (2A)	---

TR7H2101.EPS



## 7.7 Checking the SL4

### [1] Analysis Flow



### [2] Checking with the M-Utility

[6] [ENT] → [4] [ENT] → [3] [ENT]

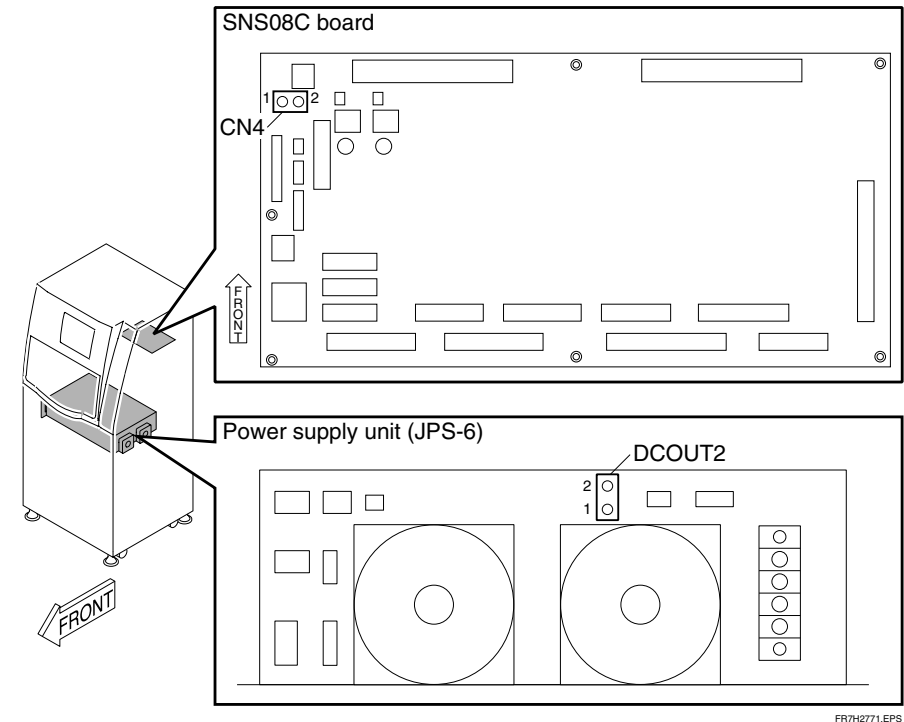
#### ◆ CHECKS ◆

1. Check that the sensor is "open" when there is no IP or other light shield in the sensor position.
2. Check that the sensor is "closed" when there is an IP or other light shield in the sensor position.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

TR7H2102.EPS



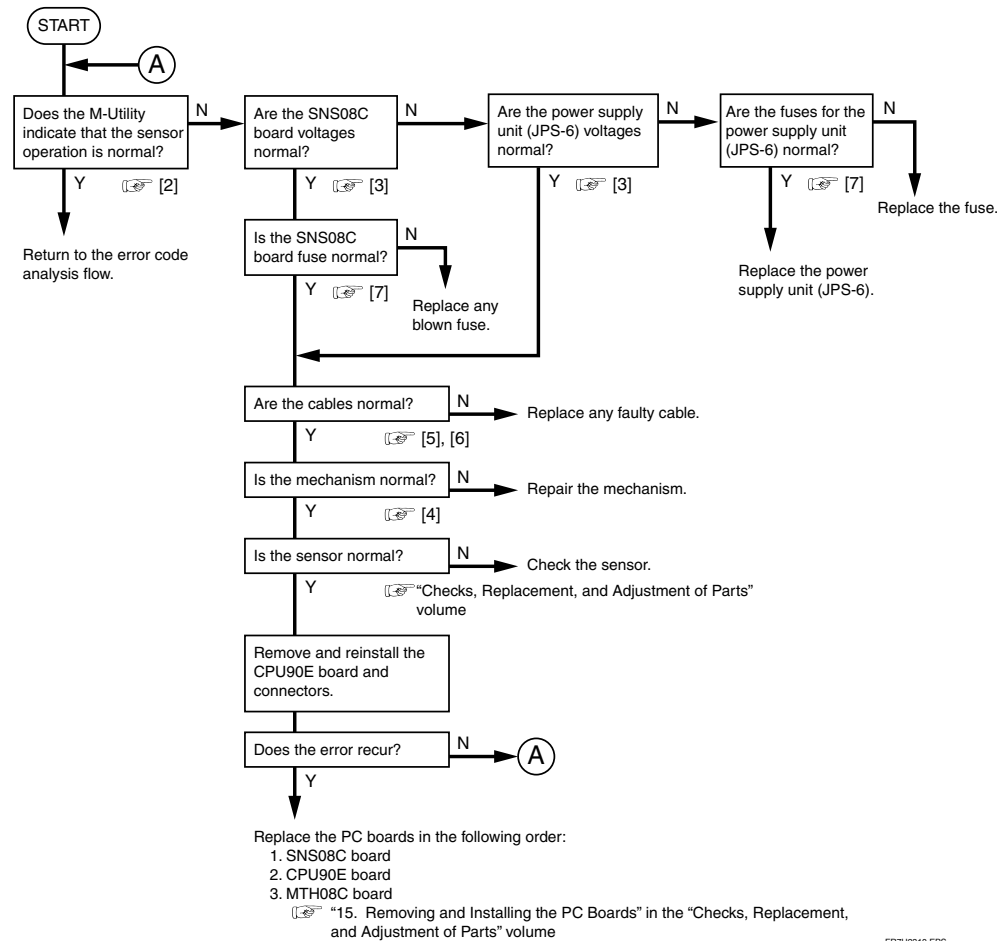
### [4] Checking the mechanism

- SL4 replacement
- ☞ "5.13 Inch/Metric Sensor (SL4)" in the "Checks, Replacement, and Adjustment of Parts" volume



## 7.8 Checking the SL5

### [1] Analysis Flow



FR7H2310.EPS

### [2] Checking with the M-Utility

- Turn ON the pump (PL1).  
[6] [ENT] → [3] [ENT] → [2] [ENT] → [5] [ENT]
- Monitor the sensor.  
[6] [ENT] → [4] [ENT] → [3] [ENT]

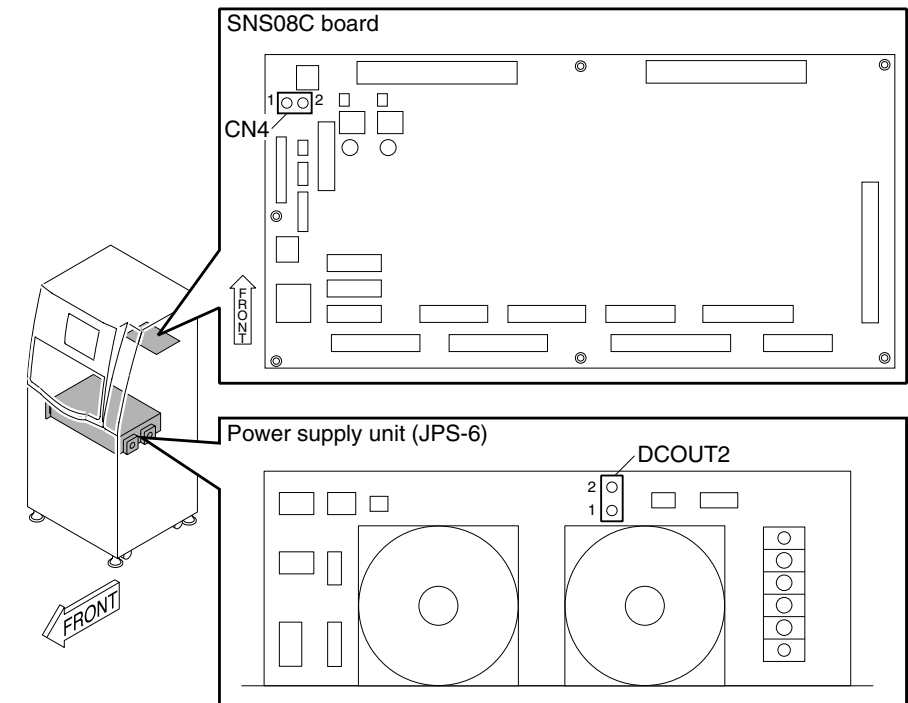
#### ◆ CHECKS ◆

1. Check that the sensor is "open" when the SL5 hose is not pinched.
2. Check that the sensor is "closed" when the SL5 hose is pinched.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

TR7H2105.EPS

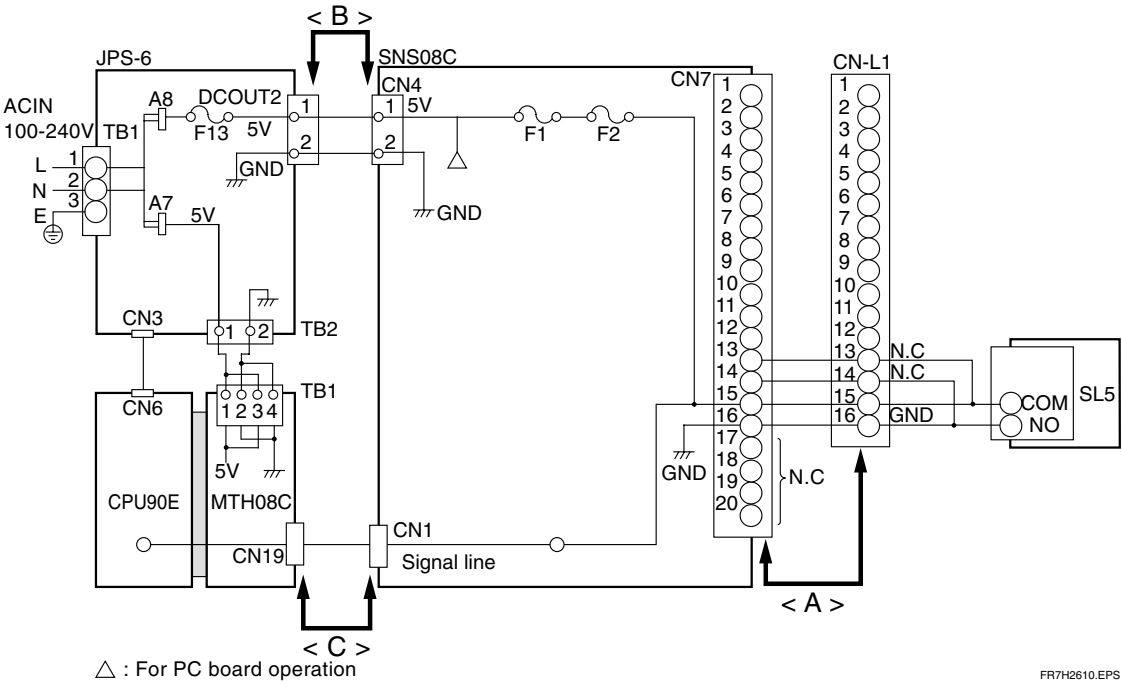


FR7H2773.EPS

### [4] Checking the mechanism

- SL5 replacement  
"5.14 Suction Sensor (SL5)" in the "Checks, Replacement, and Adjustment of Parts" volume

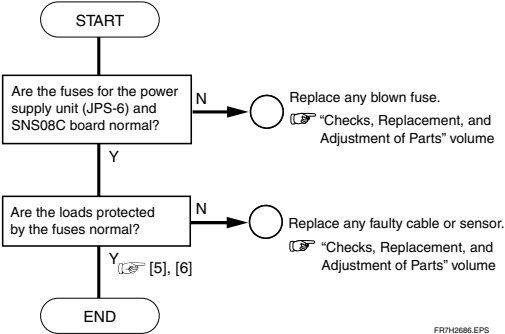
[5] Block diagram



FR7H2610.EPS

[7] Checking the fuses

● Analysis Flow

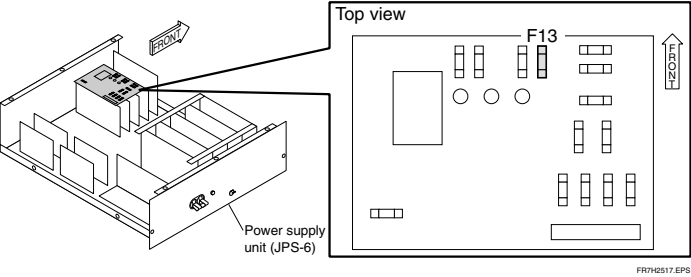


FR7H2686.EPS

● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F13	250V (5A)	For SNC08C +5 V (DCOUT2)

TR7H2106.EPS

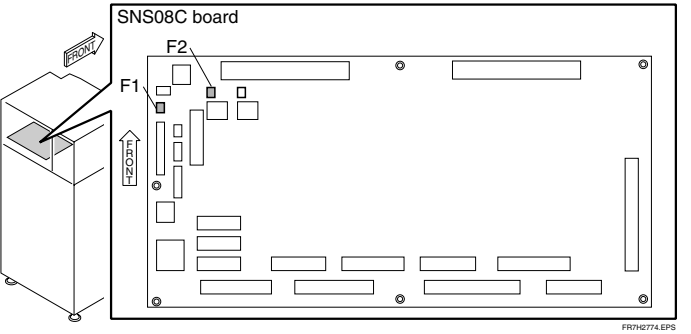


FR7H2517.EPS

● SNS08C board

Name	Rated voltage (rated current)	Remarks
F1	125V (5A)	---
F2	125V (2A)	---

TR7H2107.EPS



FR7H2774.EPS

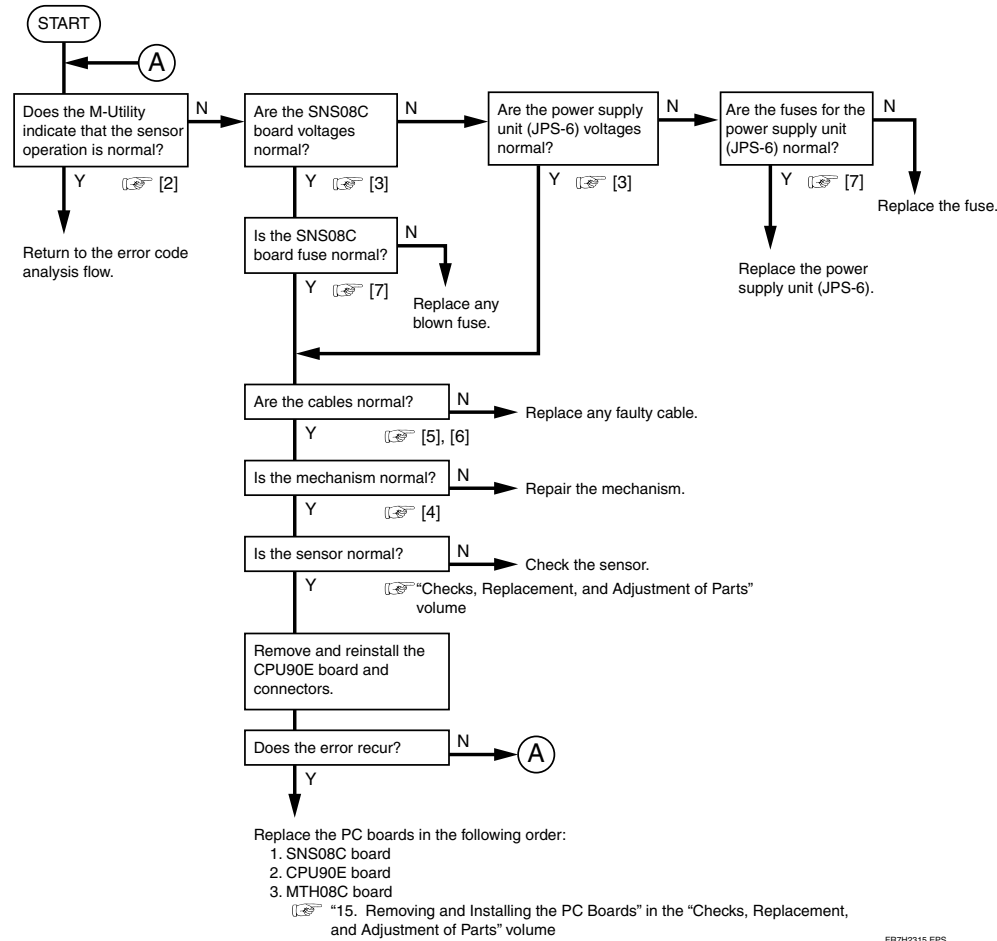
[6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

## 7.9 Checking the SM1

### [1] Analysis Flow



### [2] Checking with the M-Utility

[6] [ENT] → [4] [ENT] → [3] [ENT]

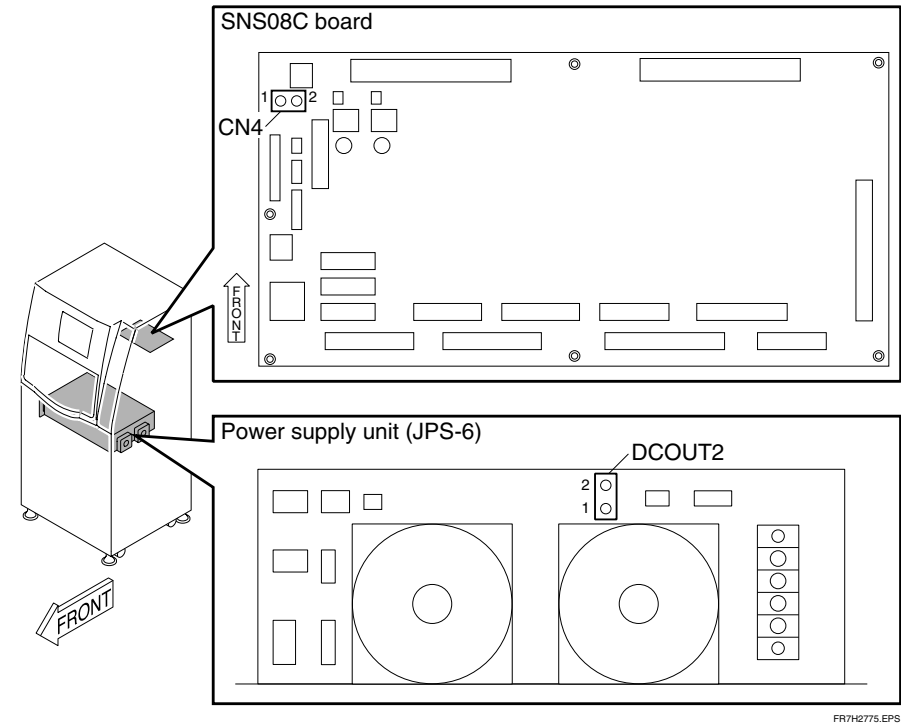
#### ◆ CHECKS ◆

1. Check that the sensor is "open" when its light path is not blocked.
2. Check that the sensor is "closed" when its light path is blocked.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

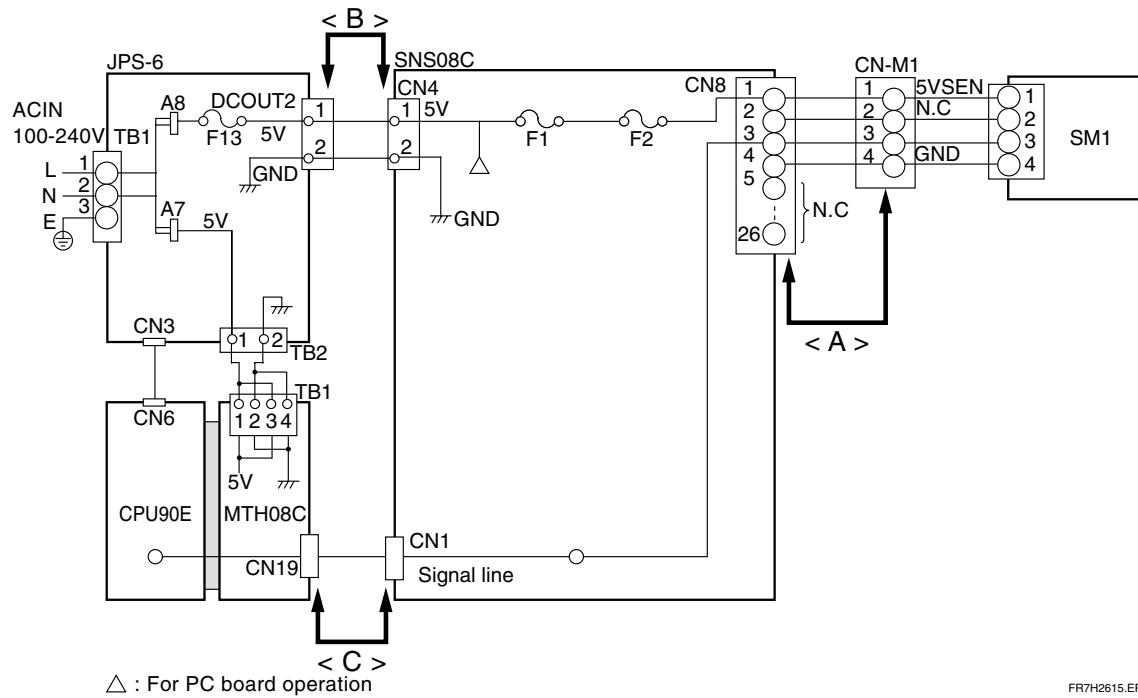
TR7H2108.EPS



### [4] Checking the mechanism

- SM1 replacement
- ☞ "05A ERASURE CONVEYOR 1" in the "Service Parts List" volume

## [5] Block diagram



## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

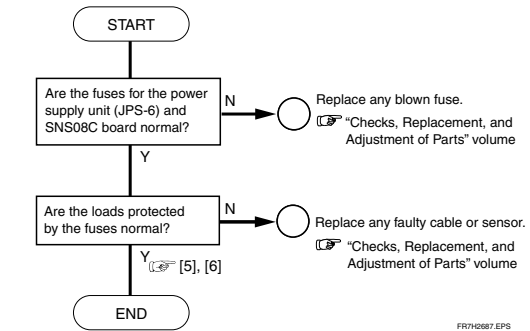
1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

## [8] List of compatible sensors (104N0038)

- SL2 (Cassette inlet IP sensor)
- SN3 (Side-positioning IP sensor)

## [7] Checking the fuses

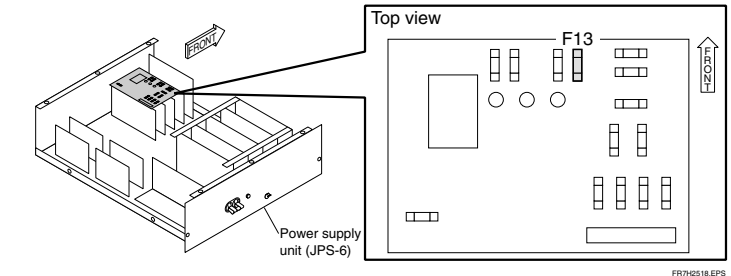
### ● Analysis Flow



### ● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F13	250V (5A)	For SNC08C +5 V (DCOUT2)

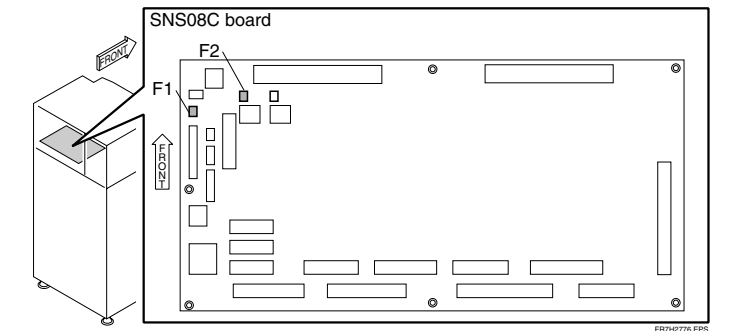
TR7H2109.EPS



### ● SNS08C board

Name	Rated voltage (rated current)	Remarks
F1	125V (5A)	---
F2	125V (2A)	---

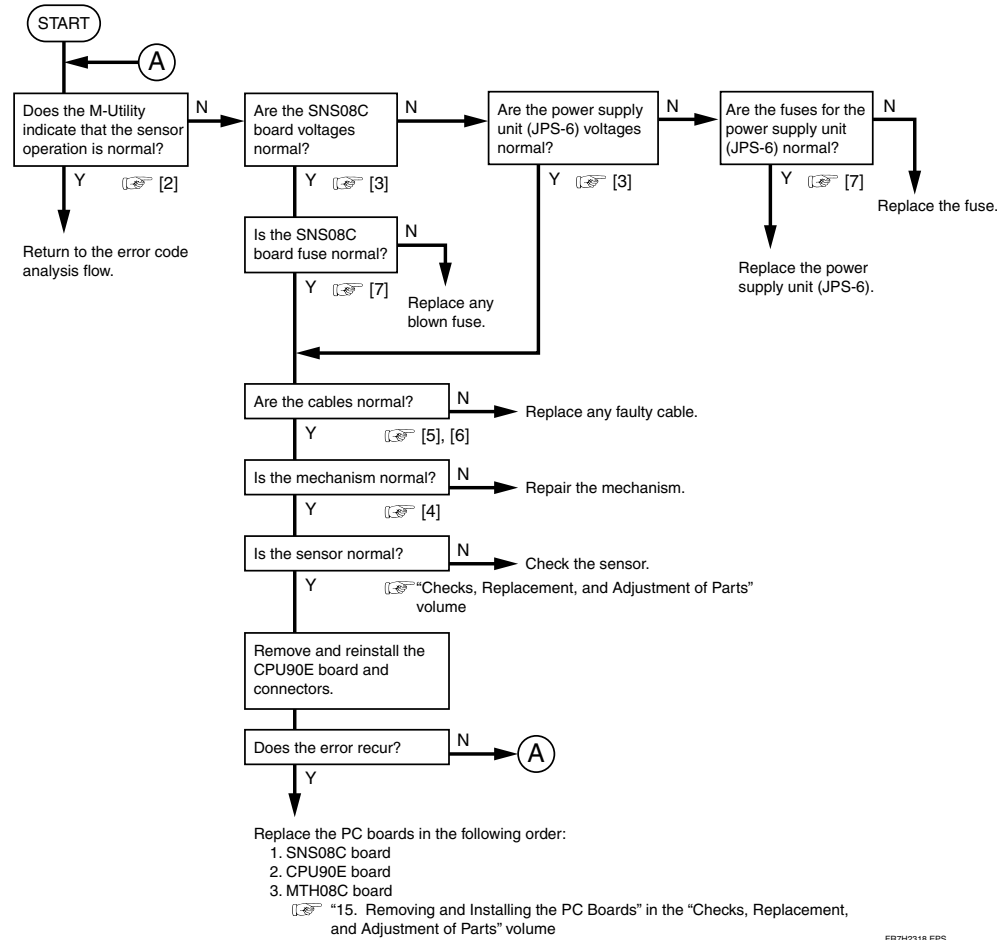
TR7H2110.EPS





## 7.10 Checking the SN1

### [1] Analysis Flow



### [2] Checking with the M-Utility

[6] [ENT] → [4] [ENT] → [3] [ENT]

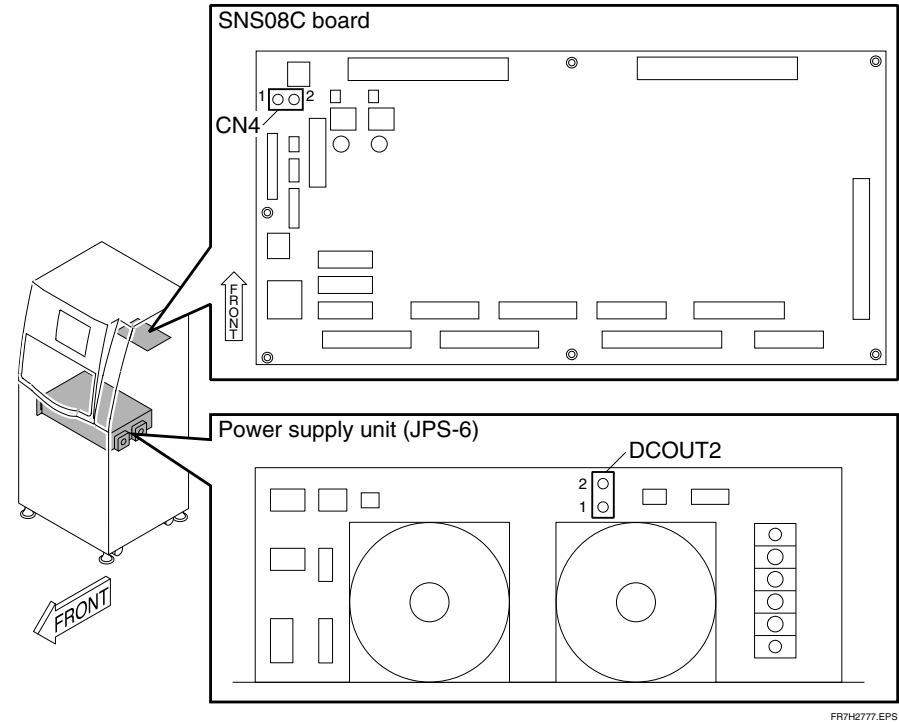
#### ◆ CHECKS ◆

1. Check that the sensor is "open" when its light path is not blocked.
2. Check that the sensor is "closed" when its light path is blocked.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

TR7H2111.EPS

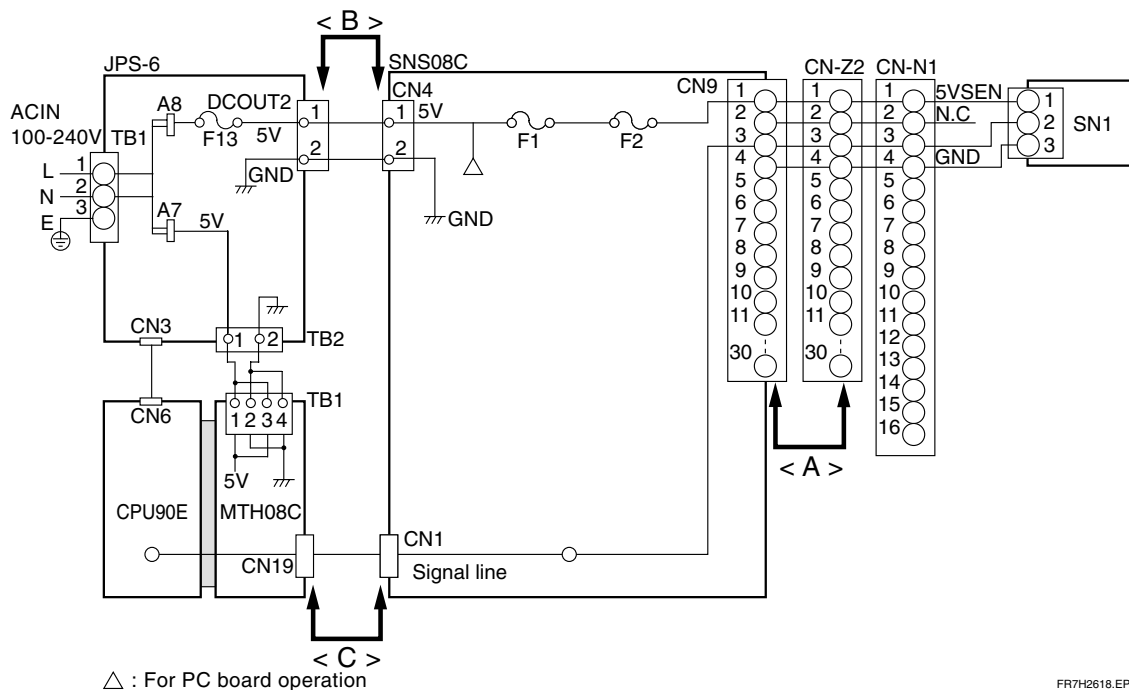


FR7H2177.EPS

### [4] Checking the mechanism

- SN1 replacement
- ☞ "8.4 Side-Positioning Mechanism HP Sensor (SN1)" in the "Checks, Replacement, and Adjustment of Parts" volume

**[5] Block diagram**



## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

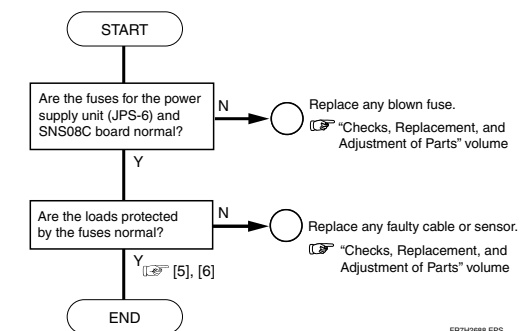
1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be  $2\ \Omega$  or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be  $2\ \Omega$  or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be  $1\ \Omega$  or smaller.

**[8] List of compatible sensors (104N0043)**

- SK1 (Cassette ejection sensor)  
SN2 (Grip release HP sensor)  
SN4 (Cleaning guide HP sensor)  
SZ2 (Driving-side grip release HP sensor)  
SZ3 (Driven-side grip release HP sensor)  
SZ4 (Mirror HP sensor)

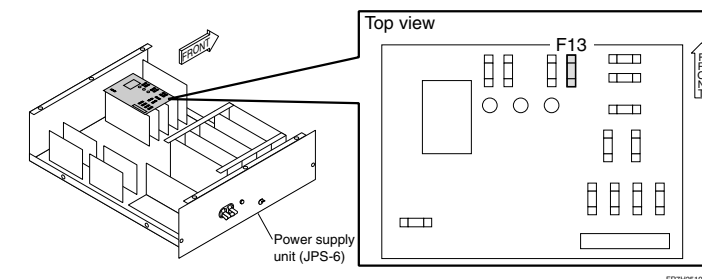
## [7] Checking the fuses

## ● Analysis Flow



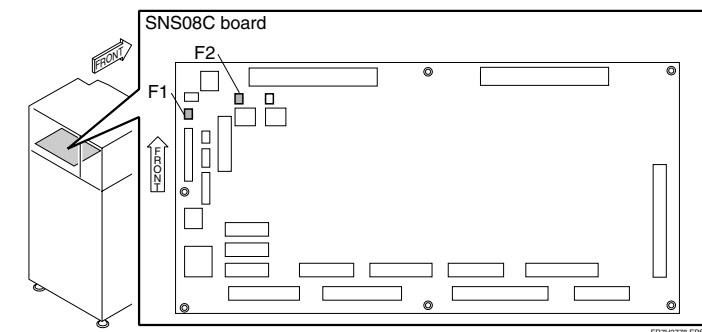
● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F13	250V (5A)	For SNC08C +5 V (DCOUT2)



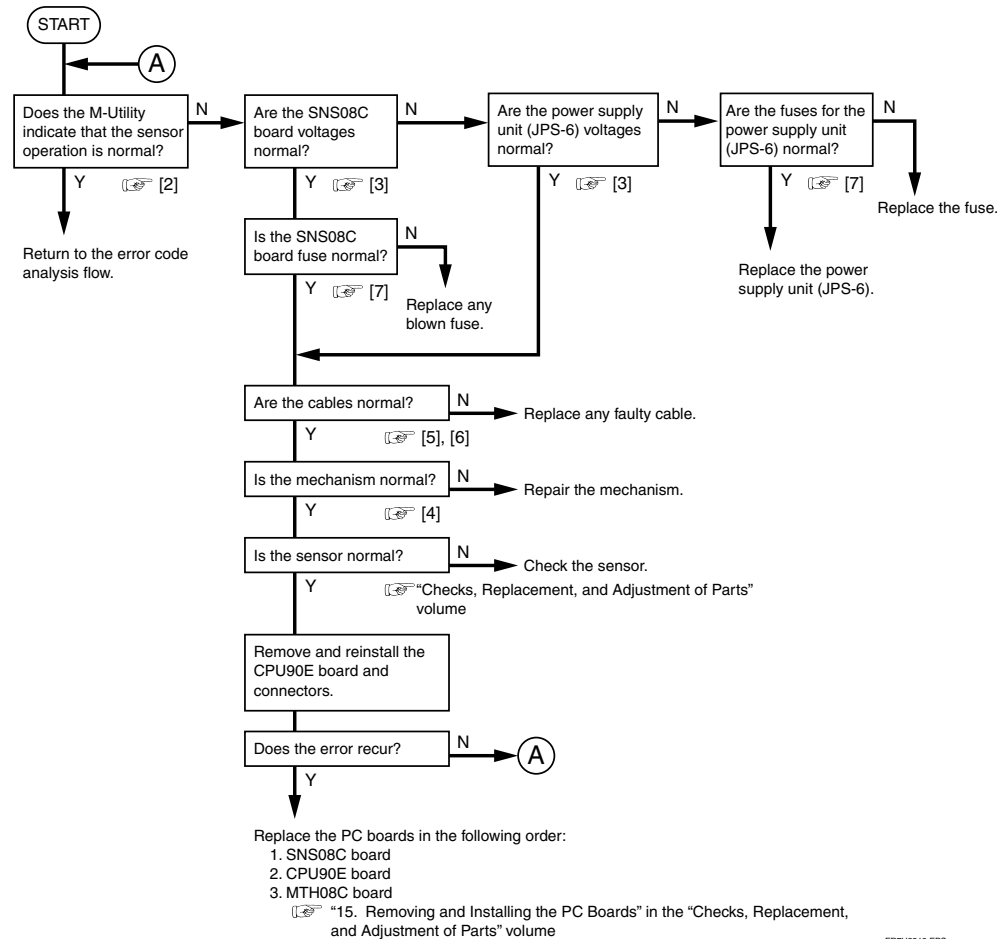
- **SNS08C board**

Name	Rated voltage (rated current)	Remarks
F1	125V (5A)	---
F2	125V (2A)	---



## 7.11 Checking the SN2

### [1] Analysis Flow



### [2] Checking with the M-Utility

[6] [ENT] → [4] [ENT] → [3] [ENT]

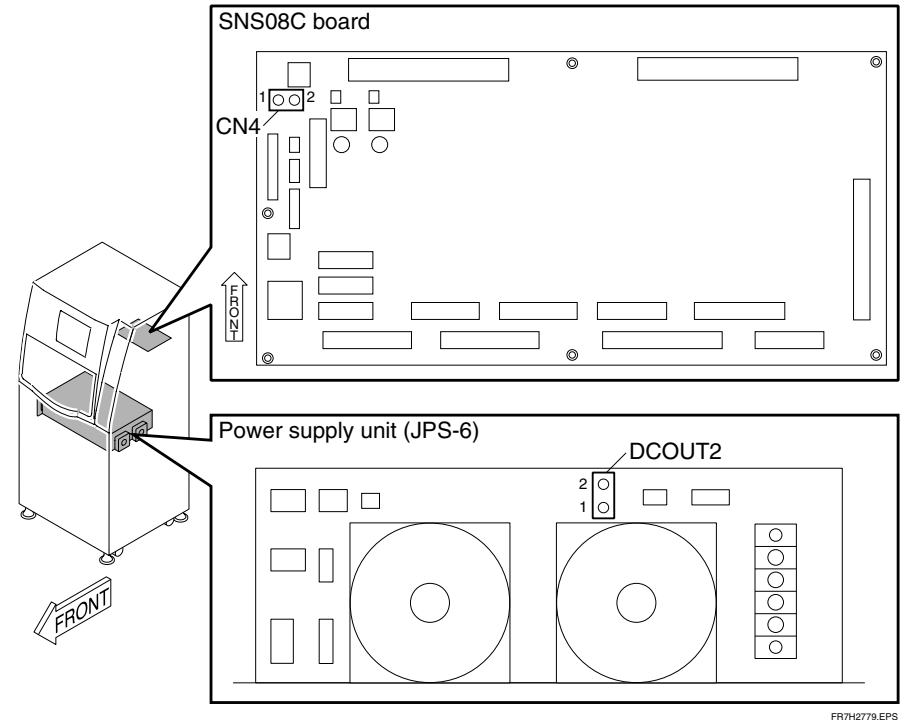
#### ◆ CHECKS ◆

1. Check that the sensor is "open" when its light path is not blocked.
2. Check that the sensor is "closed" when its light path is blocked.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

TR7H2114.EPS



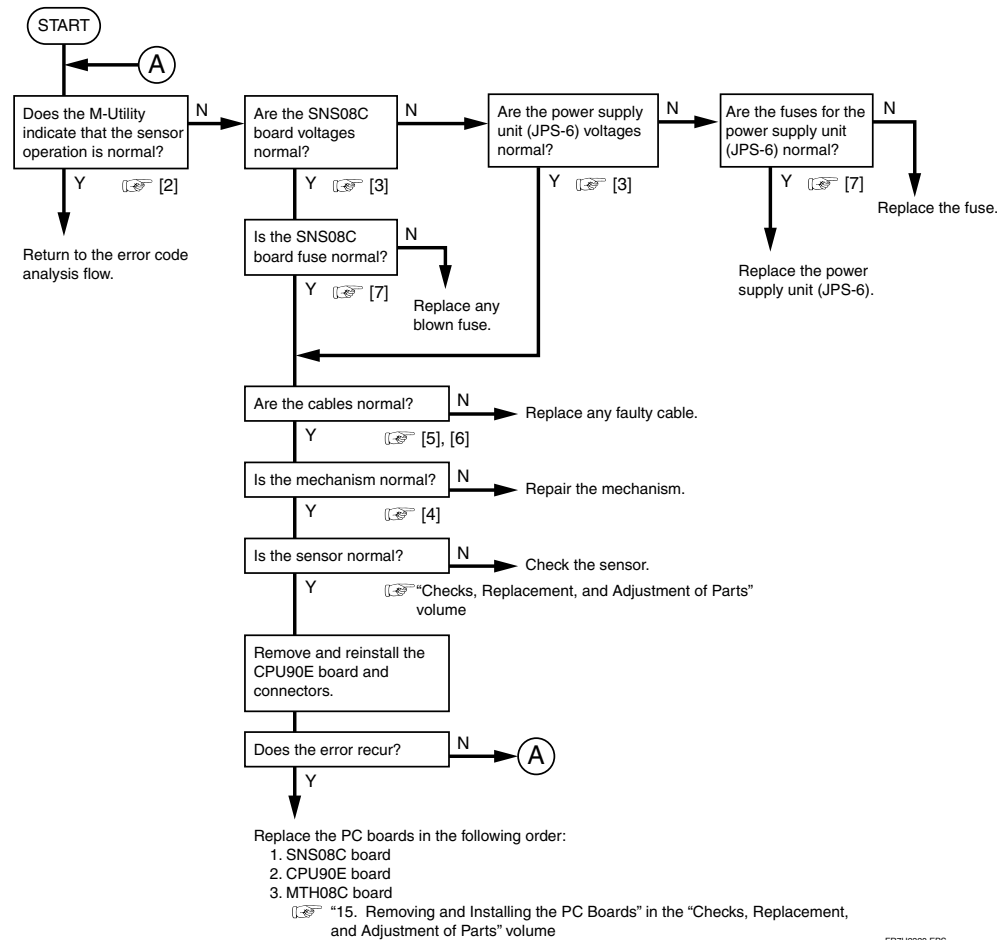
### [4] Checking the mechanism

- SN2 replacement
- ☞ "8.5 Grip Release HP Sensor (SN2)" in the "Checks, Replacement, and Adjustment of Parts" volume



## 7.12 Checking the SN3

### [1] Analysis Flow



### [2] Checking with the M-Utility

[6] [ENT] → [4] [ENT] → [3] [ENT]

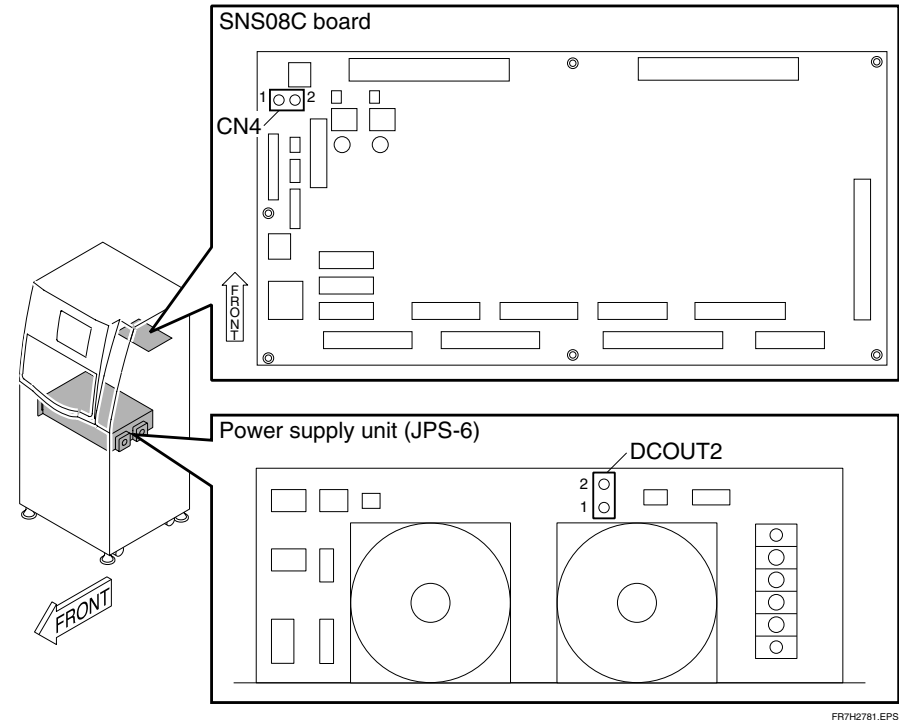
#### ◆ CHECKS ◆

1. Check that the sensor is "open" when its light path is not blocked.
2. Check that the sensor is "closed" when its light path is blocked.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

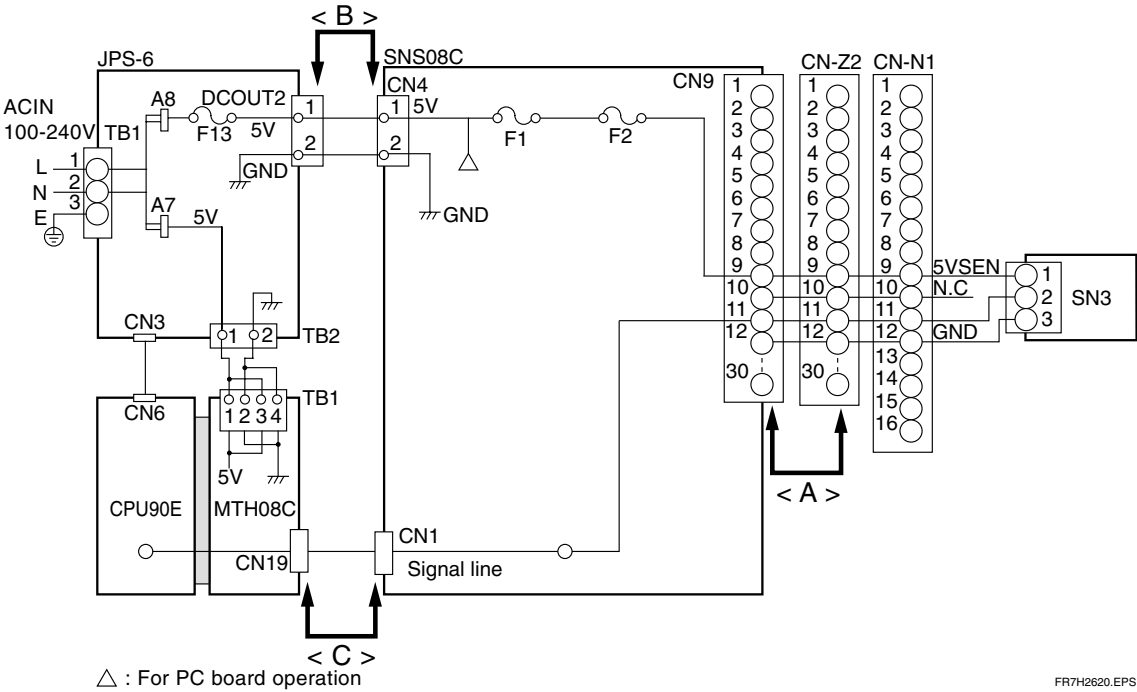
TR7H2117.EPS



### [4] Checking the mechanism

- SN3 replacement
- ☞ "8.8 Side-Positioning IP Sensor (SN3)" in the "Checks, Replacement, and Adjustment of Parts" volume

[5] Block diagram



[6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

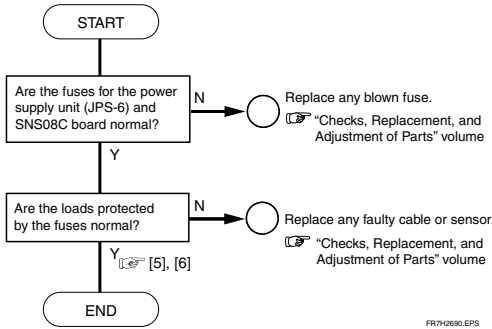
1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

[8] List of compatible sensors (113Y0038)

- SL2 (Cassette inlet IP sensor)
- SM1 (Before-BCR IP sensor)

[7] Checking the fuses

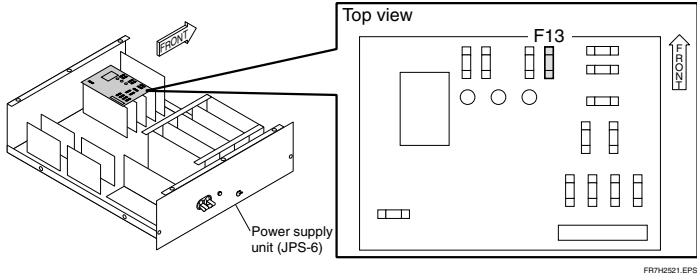
● Analysis Flow



● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F13	250V (5A)	For SNC08C +5 V (DCOUT2)

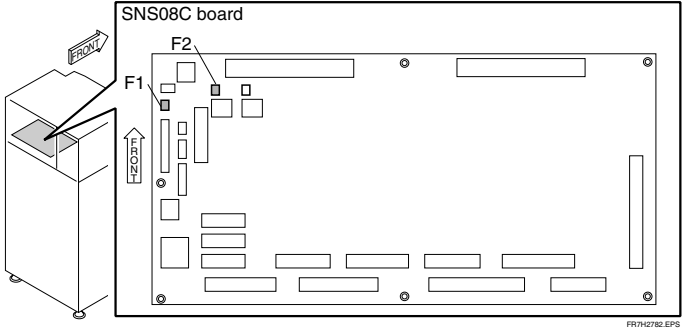
TR7H2118.EPS



● SNS08C board

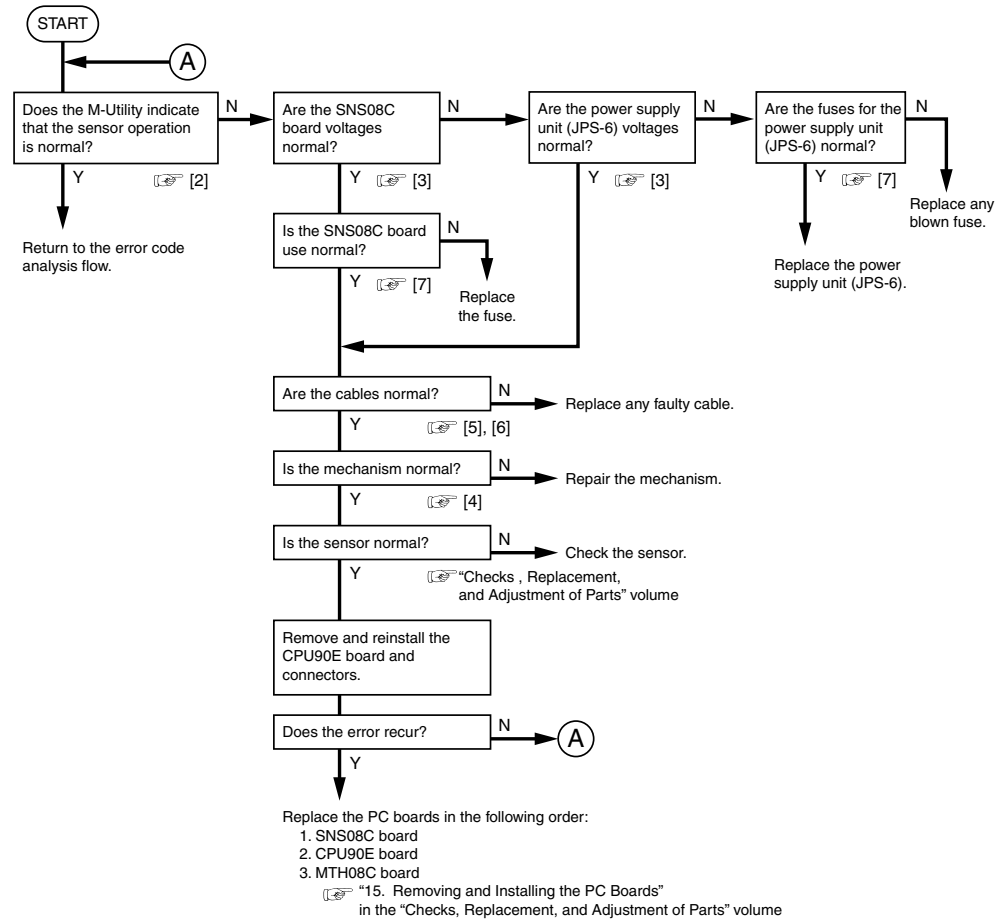
Name	Rated voltage (rated current)	Remarks
F1	125V (5A)	---
F2	125V (2A)	---

TR7H2120.EPS



## 7.13 Checking the SN4

### [1] Analysis Flow



FR7H2321.EPS

### [2] Checking with the M-Utility

[6] [ENT] → [4] [ENT] → [3] [ENT]

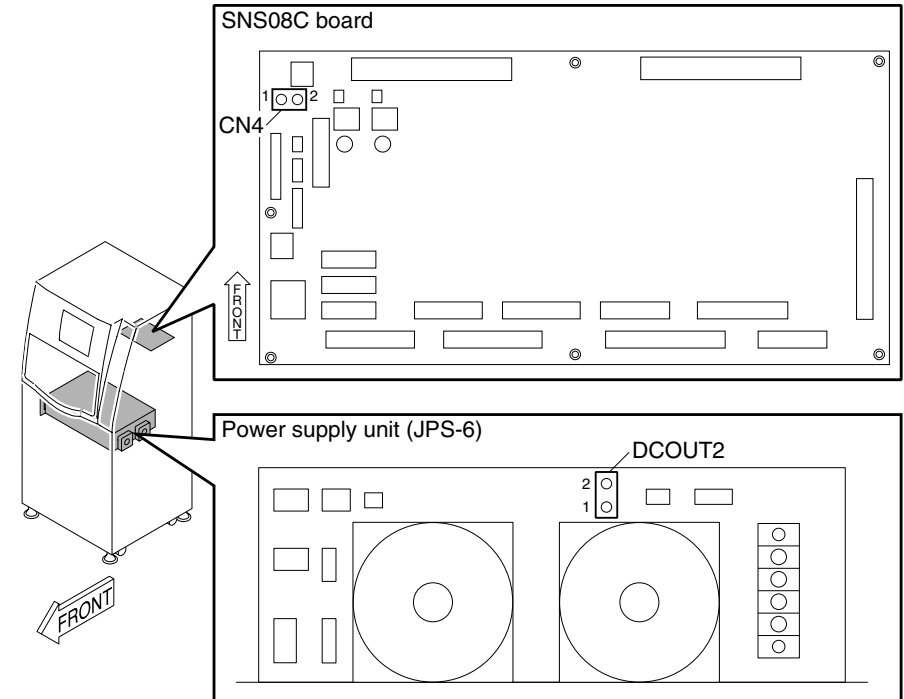
#### ◆ CHECKS ◆

1. Check that the sensor is "open" when its light path is not blocked.
2. Check that the sensor is "closed" when its light path is blocked.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

TR7H2121.EPS



FR7H2783.EPS

### [4] Checking the mechanism

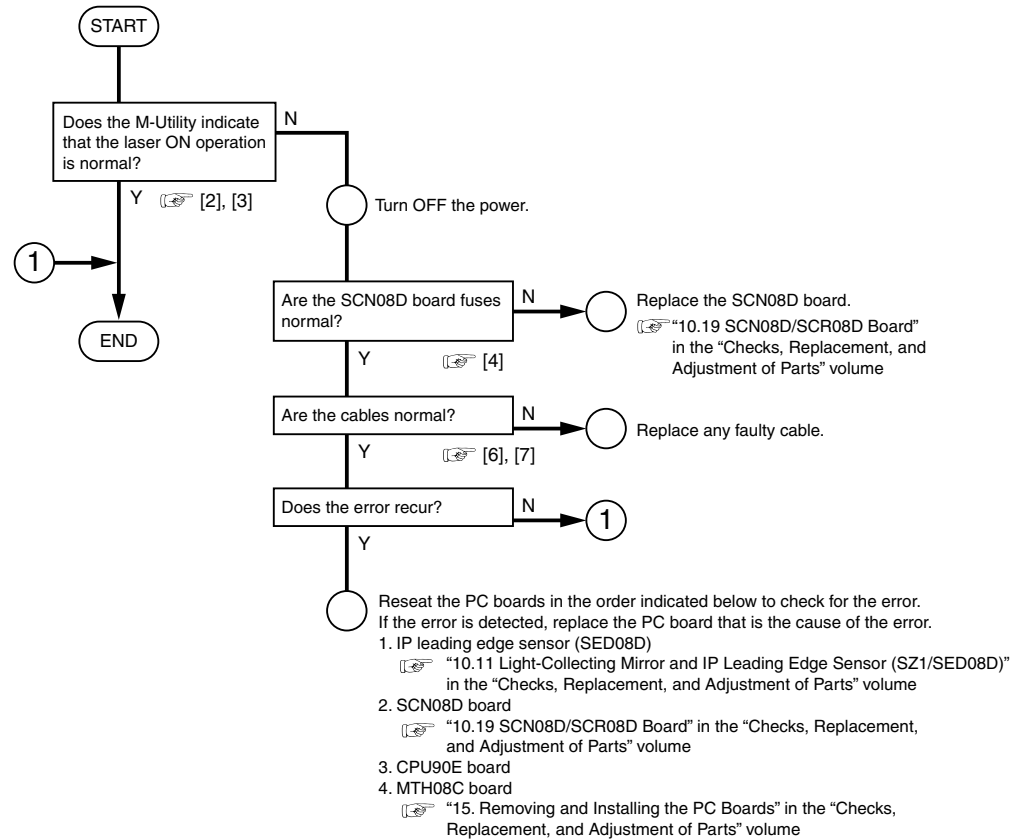
- SN4 replacement
- ☞ "8.9 Cleaning Guide HP Sensor (SN4)" in the "Checks, Replacement, and Adjustment of Parts" volume





## 7.14 Checking the SZ1 (SED08D)

### [1] Analysis Flow



FR7H2367.EPS

### [2] Checking with the M-Utility

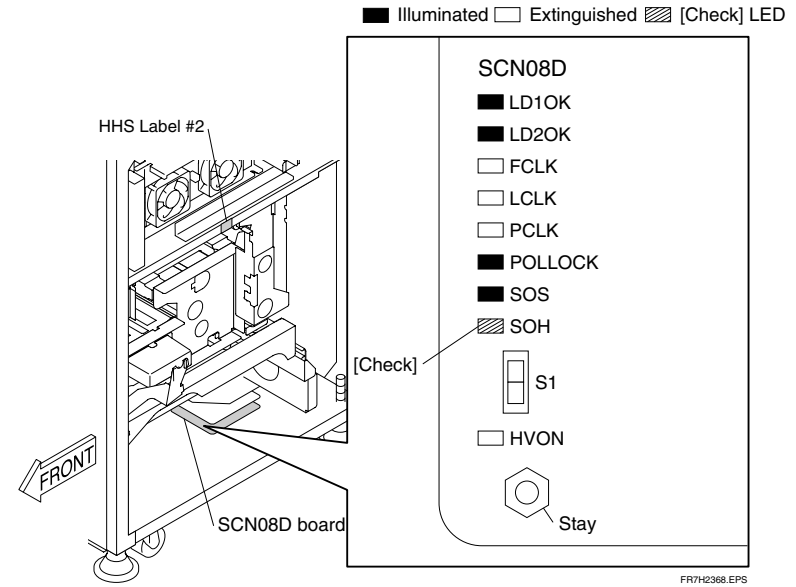
#### ◆ CHECK ◆

Confirm the displayed M-Utility diagnostic check result and LED indication.

- Turn ON the polygon.  
[5] [ENT] → [2] [ENT] → [2] [ENT]
  - Turn ON the laser.  
[0] [ENT] → [3] [ENT] → [2] [ENT]
- [GOOD result indication]
- RESULT - OK
- [NG result indication]
- RESULT - LASER POWER INSUFFICIENT → The laser power is insufficient.
  - RESULT - LASER POWER ERROR → The laser power is abnormal.

### [3] LED indication

[GOOD result indication]



FR7H2368.EPS

#### ◆ CHECK ◆

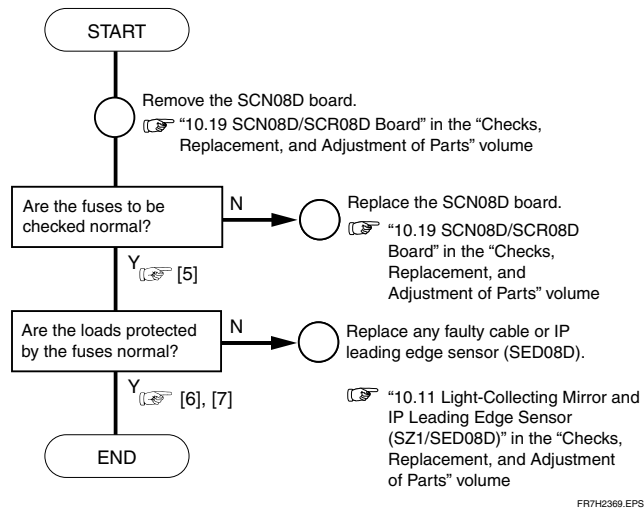
With an IP positioned so as to block the light path for the leading edge sensor (SED08D), check whether the "SOH" LED is illuminated.

- Light path blocked → The LED comes on.
- Light path not blocked → The LED goes out.

[NG result indication]

An LED indication other than the GOOD result indication

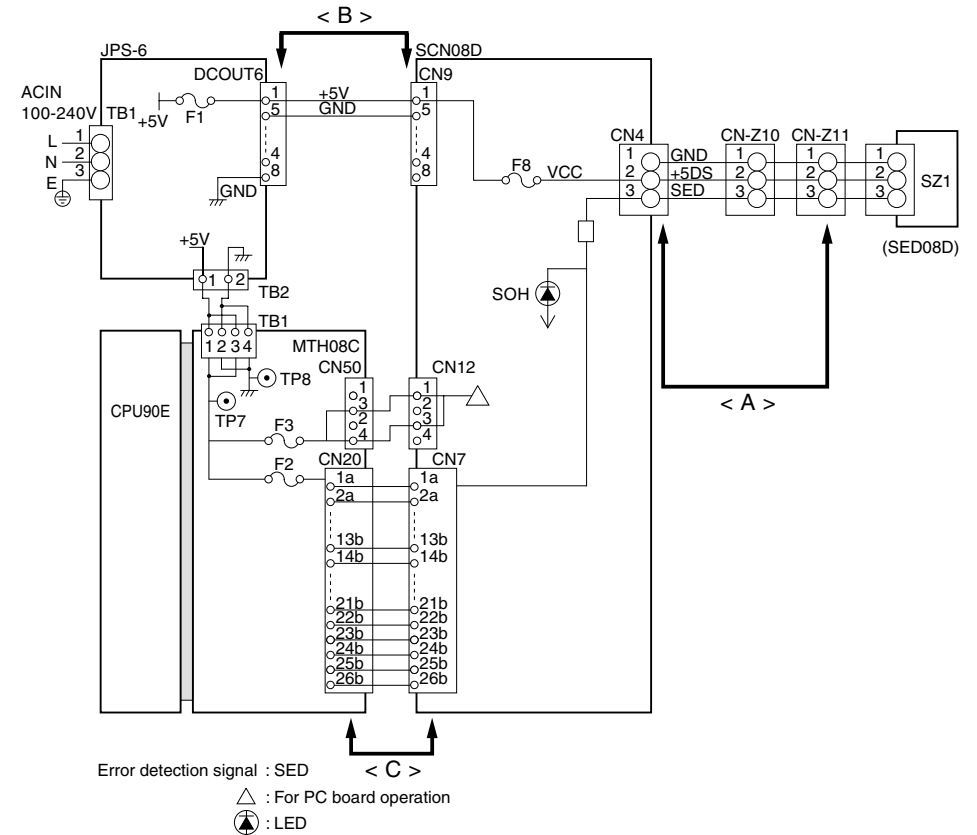
#### [4] Checking the SCN08D board fuses



#### [5] Fuses to be checked

- Power supply unit (JPS-6): F1
- SCN08D board: F8
- MTH08C board: F2 and F3

#### [6] Block diagram



#### [7] Checking the cables

##### ◆ NOTES ◆

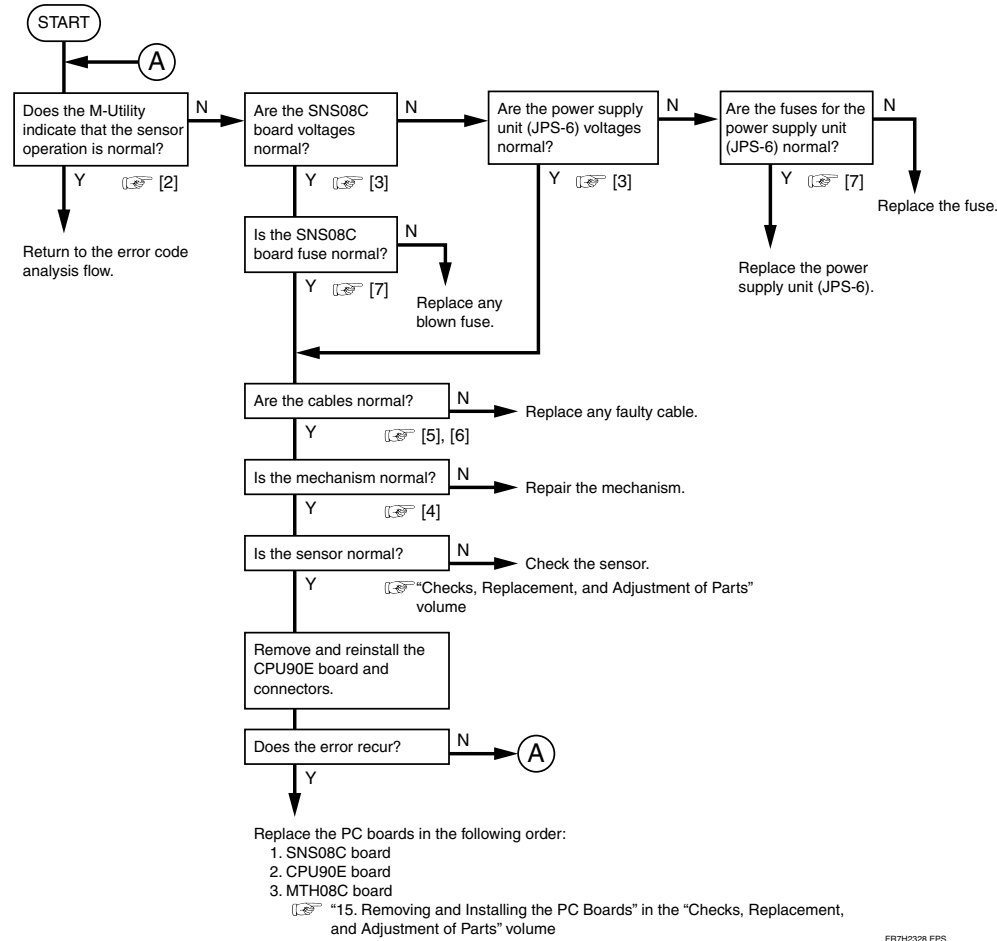
- Make sure that the power is OFF.
- For power supply checkout purposes, check paths <B> and <C> that are indicated in the block diagram.

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.
  - The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.
  - The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.
  - The measured resistance must be 1 Ω or smaller.

## 7.15 Checking the SZ2

### [1] Analysis Flow



### [2] Checking with the M-Utility

[6] [ENT] → [4] [ENT] → [3] [ENT]

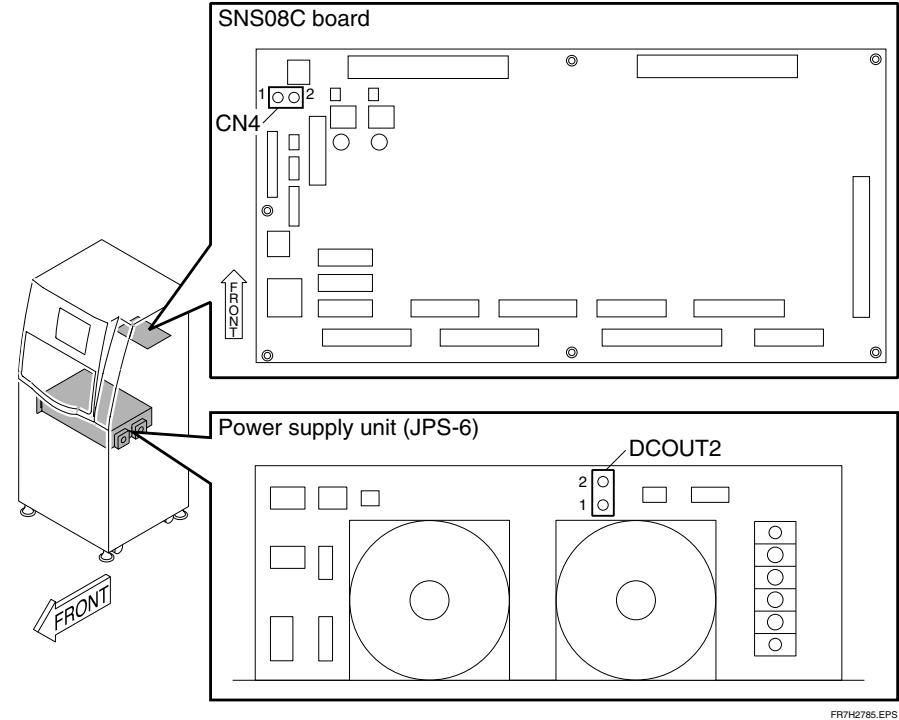
#### ◆ CHECKS ◆

1. Check that the sensor is "open" when its light path is not blocked.
2. Check that the sensor is "closed" when its light path is blocked.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

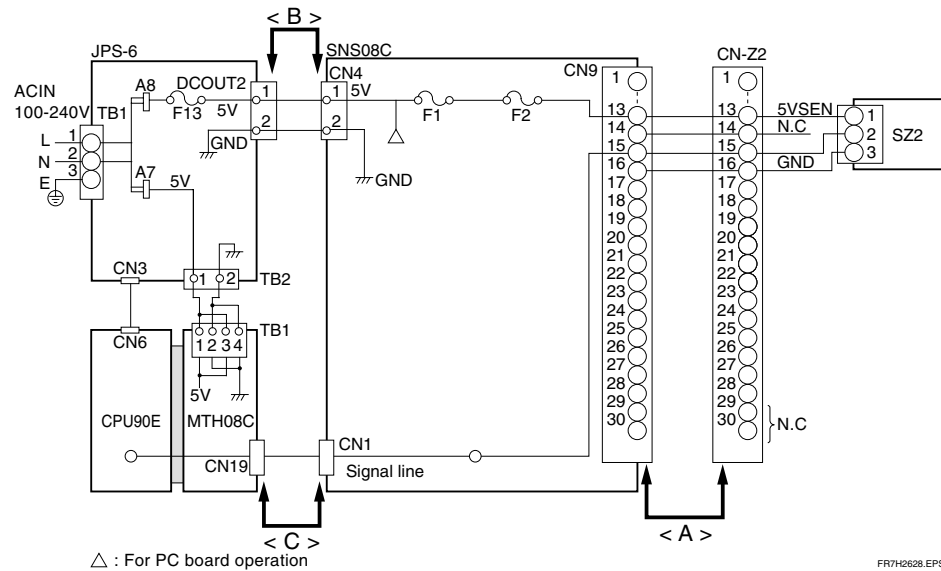
TR7H2124.EPS



### [4] Checking the mechanism

- SZ2 replacement
  - ☞ "10.1 Driving-Side Grip Release HP Sensor (SZ2)" in the "Checks, Replacement, and Adjustment of Parts" volume

## [5] Block diagram



## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

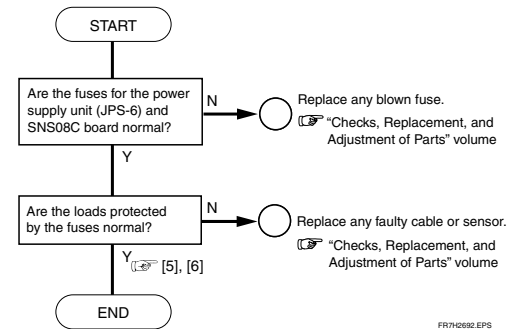
1. Check that the connectors are properly connected.  
→ The measured resistance must be 2 Ω or greater.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

## [8] List of compatible sensors (104N0043)

- SK1 (Cassette ejection sensor)
- SN1 (Side-positioning mechanism HP sensor)
- SN2 (Grip release HP sensor)
- SN4 (Cleaning guide HP sensor)
- SZ3 (Driven-side grip release HP sensor)
- SZ4 (Mirror HP sensor)

## [7] Checking the fuses

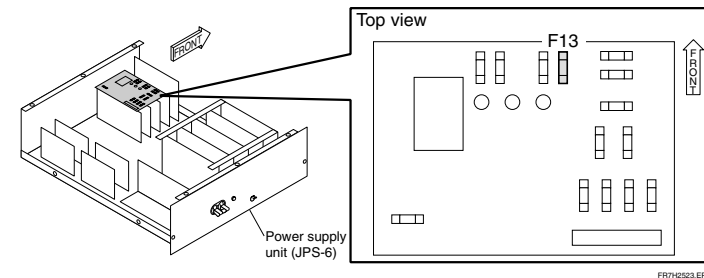
### ● Analysis Flow



### ● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F13	250V (5A)	For SNC08C +5 V (DCOUT2)

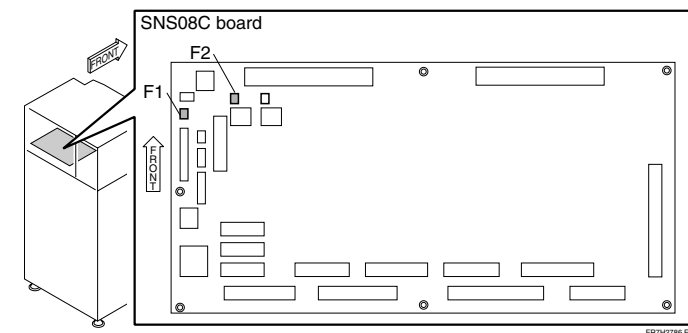
TR7H2125.EPS



### ● SNS08C board

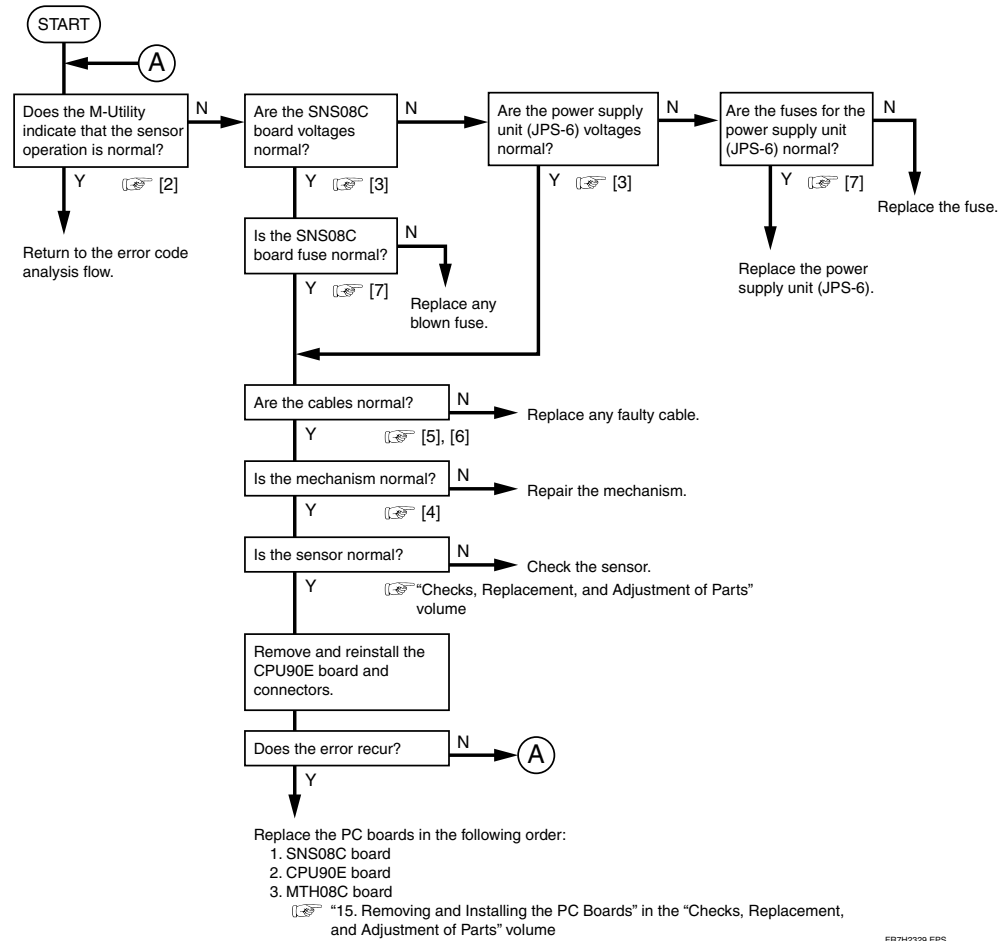
Name	Rated voltage (rated current)	Remarks
F1	125V (5A)	---
F2	125V (2A)	---

TR7H2126.EPS



## 7.16 Checking the SZ3

### [1] Analysis Flow



FR7H2329.EPS

### [2] Checking with the M-Utility

[6] [ENT] → [4] [ENT] → [3] [ENT]

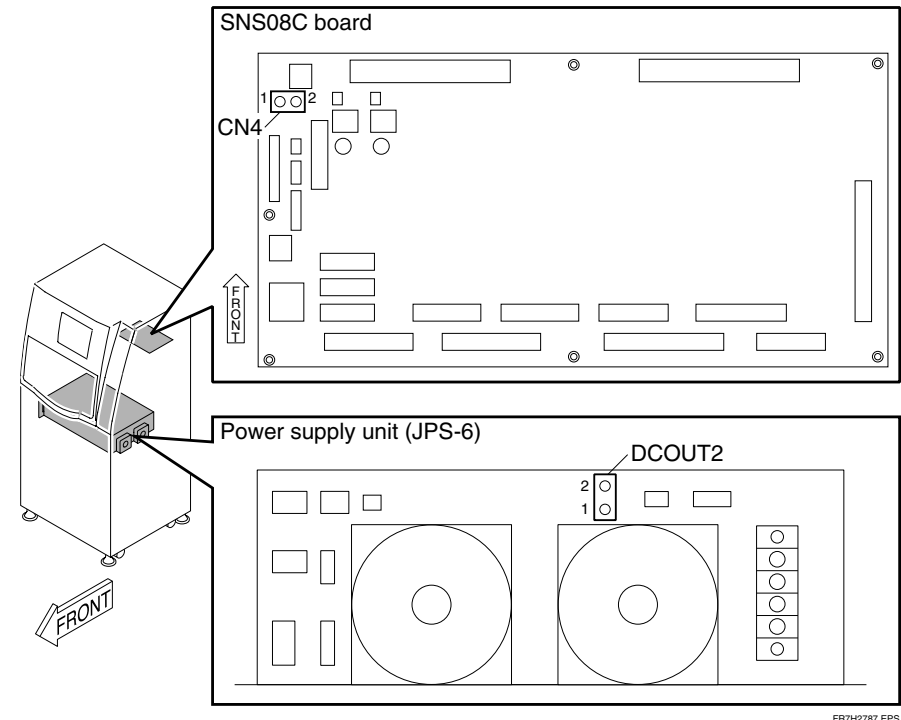
#### ◆ CHECKS ◆

1. Check that the sensor is "open" when its light path is not blocked.
2. Check that the sensor is "closed" when its light path is blocked.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

TR7H2127.EPS

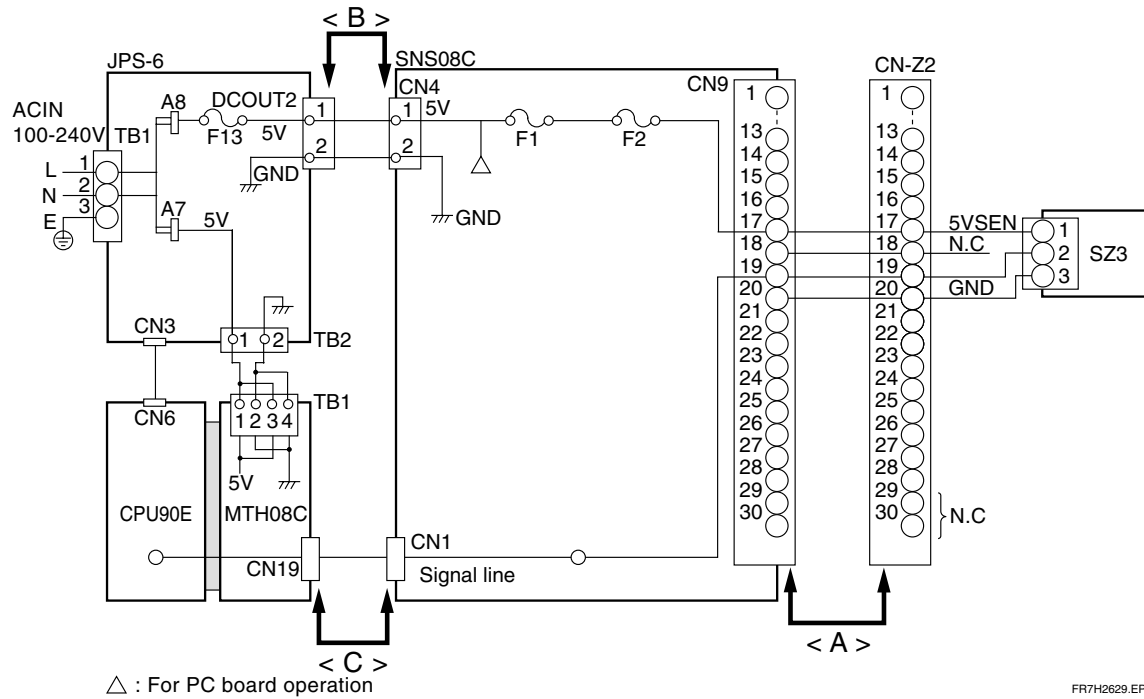


FR7H2787.EPS

### [4] Checking the mechanism

- SZ3 replacement
- ☞ "10.17 Driven-Side Grip Release HP Sensor (SZ3)" in the "Checks, Replacement, and Adjustment of Parts" volume

## [5] Block diagram



## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

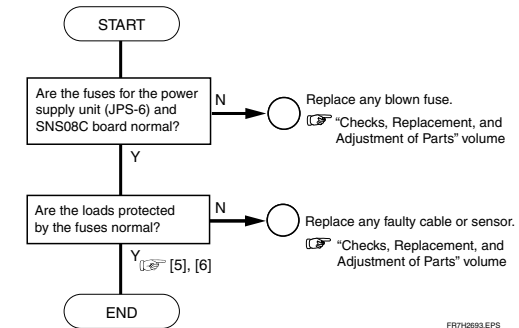
1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

## [8] List of compatible sensors (104N0043)

- SK1 (Cassette ejection sensor)
- SN1 (Side-positioning mechanism HP sensor)
- SN2 (Grip release HP sensor)
- SN4 (Cleaning guide HP sensor)
- SZ2 (Driving-side grip release HP sensor)
- SZ4 (Mirror HP sensor)

## [7] Checking the fuses

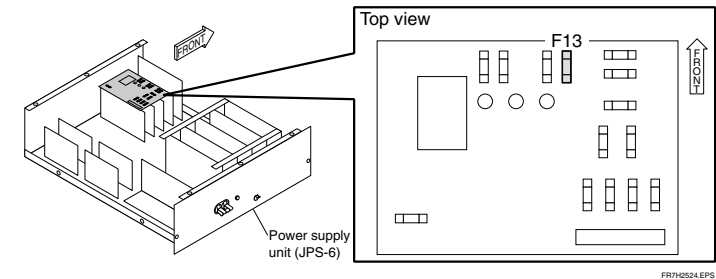
## ● Analysis Flow



## ● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F13	250V (5A)	For SNC08C +5 V (DCOUT2)

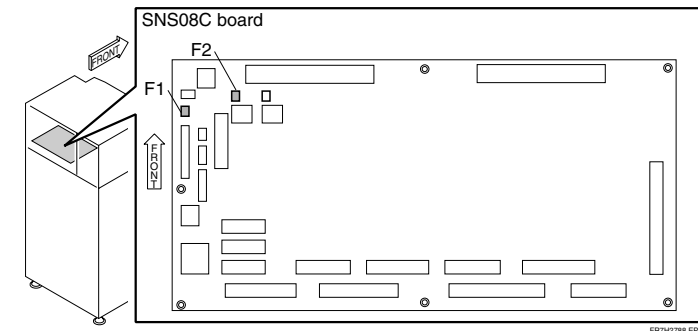
TR7H2128.EPS



## ● SNS08C board

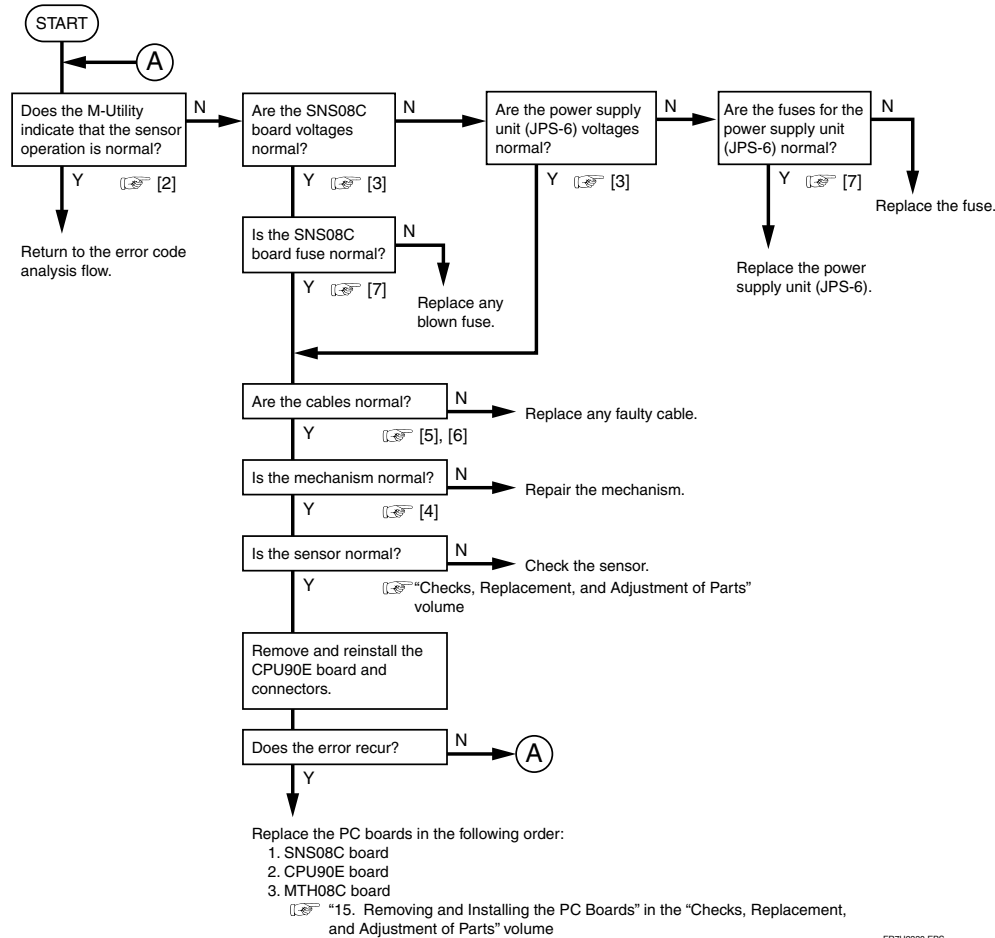
Name	Rated voltage (rated current)	Remarks
F1	125V (5A)	---
F2	125V (2A)	---

TR7H2129.EPS



## 7.17 Checking the SZ4

### [1] Analysis Flow



### [2] Checking with the M-Utility

[6] [ENT] → [4] [ENT] → [3] [ENT]

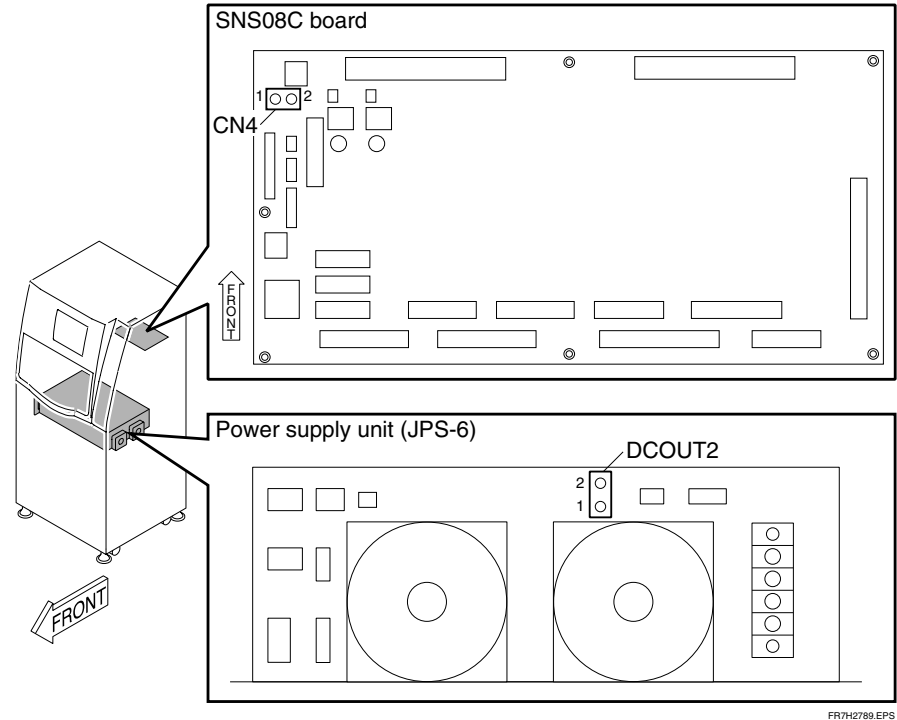
#### ◆ CHECKS ◆

1. Check that the sensor is "open" when its light path is not blocked.
2. Check that the sensor is "closed" when its light path is blocked.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

TR7H2130.EPS



### [4] Checking the mechanism

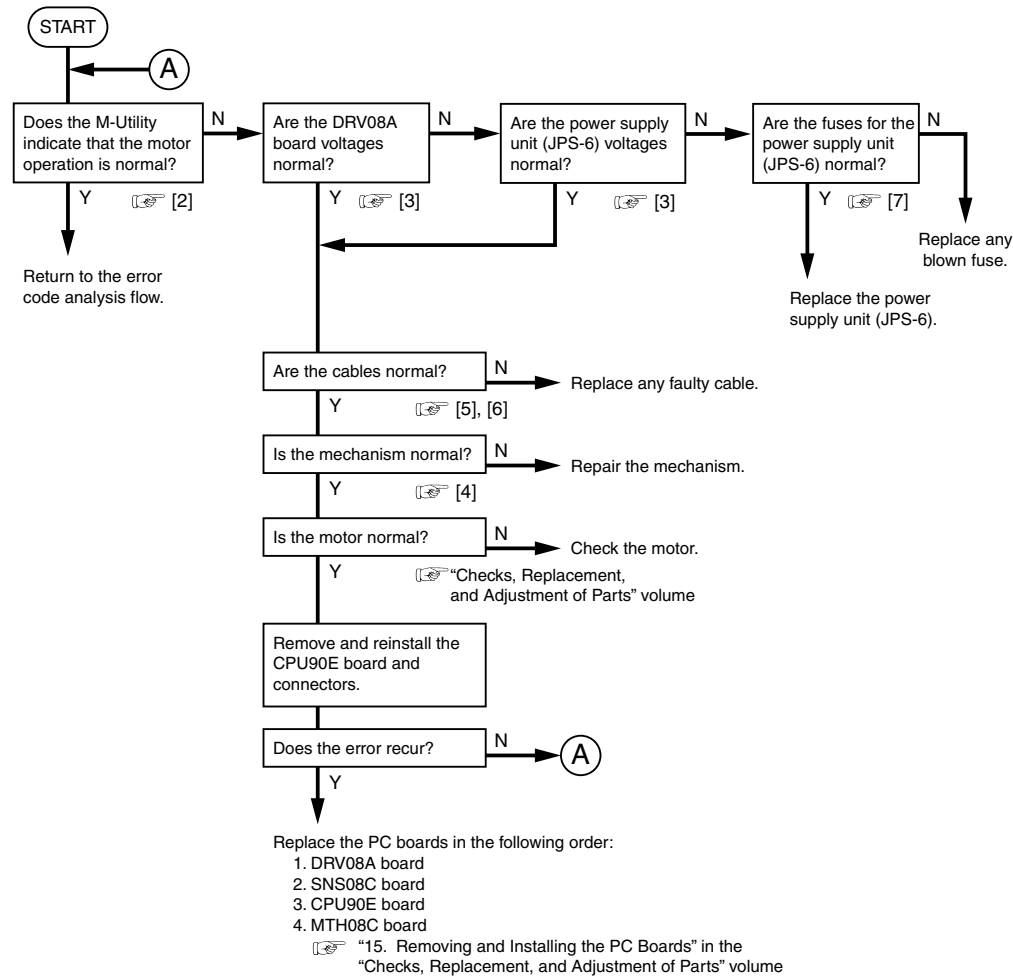
- SZ4 replacement
  - ☞ "10.2 Mirror HP Sensor (SZ4)" in the "Checks, Replacement, and Adjustment of Parts" volume





## 7.18 Checking the ML1

### [1] Analysis Flow



### [2] Checking with the M-Utility

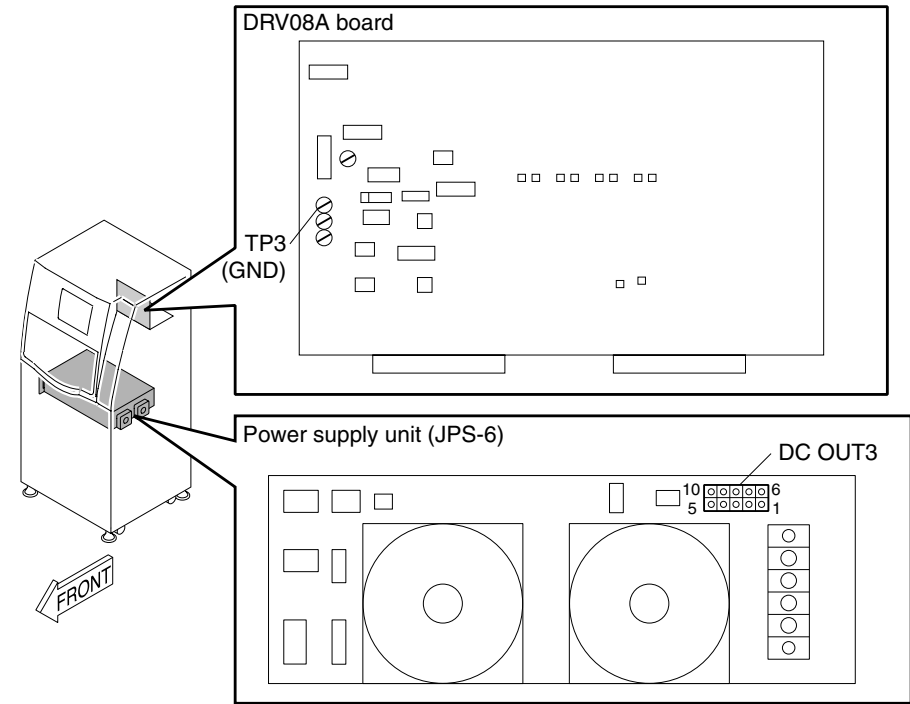
#### ◆ CHECKS ◆

- Check whether the motor runs.  
[6] [ENT] → [2] [ENT] → [3] [ENT] → [1] [ENT]
- Check whether the motor stops.  
[0] [ENT] → [2] [ENT] → [4] [ENT] → [1] [ENT]

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+24V	22.8—25.2V	DRV08A TP4-TP3 (GND)
		JPS-6 DCOUT3 5-10
+5V	4.75—5.25V	DRV08A TP2-TP3 (GND)

TR7H2074.EPS

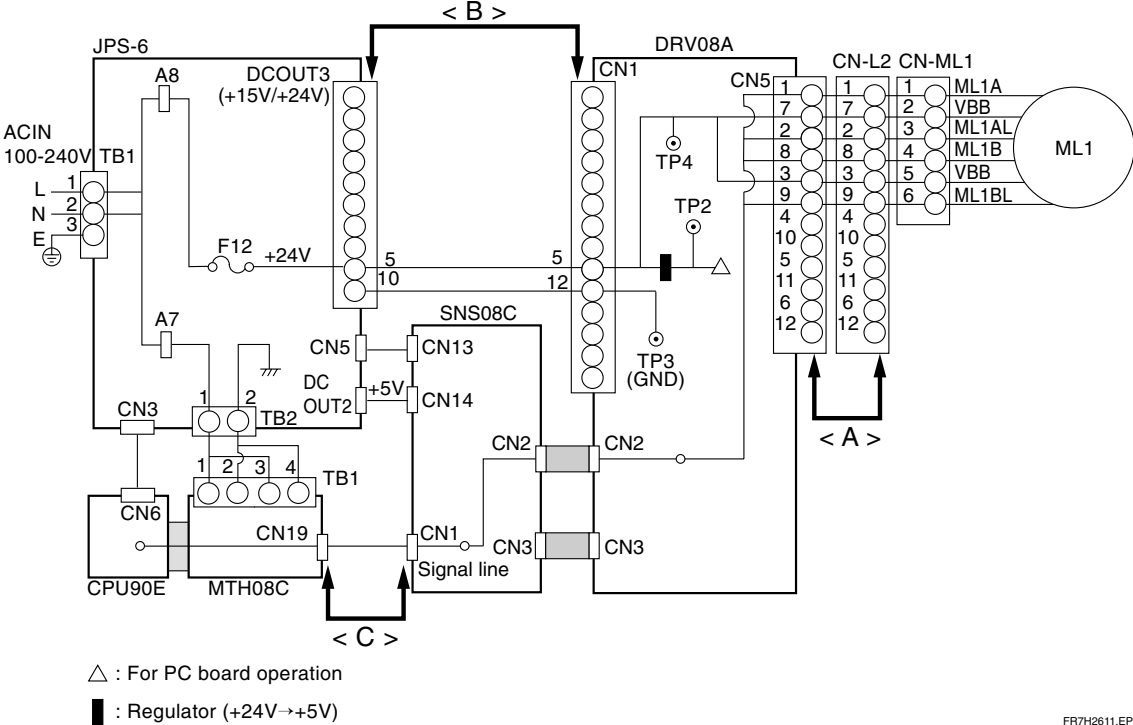


FR7H2504.EPS

### [4] Checking the mechanism

- ML1 replacement  
"5.17 Suction Cup Driving Motor (ML1)" in the "Checks, Replacement, and Adjustment of Parts" volume

[5] Block diagram

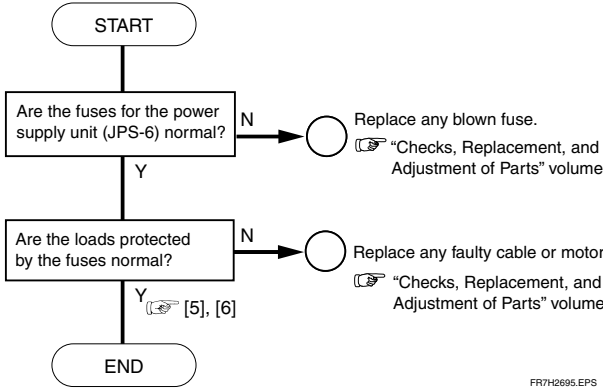


[6] Checking the cables

- Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:
1. Check that the connectors are properly connected.
  2. Check for a short circuit between various pins and GND terminal.  
 → The measured resistance must be 2 Ω or greater.
  3. Check for a short circuit between various pins.  
 → The measured resistance must be 2 Ω or greater.
  4. Check for continuity between various pins.  
 → The measured resistance must be 1 Ω or smaller.

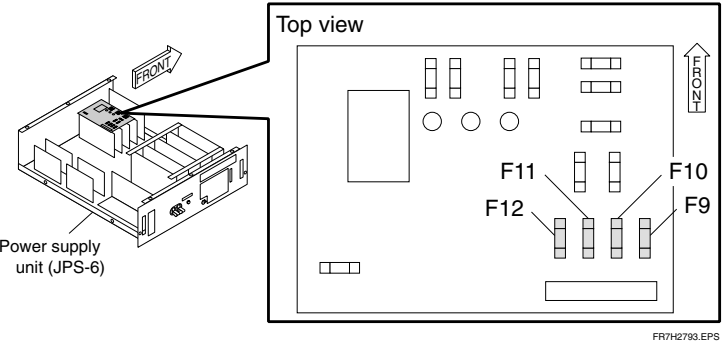
[7] Checking the fuses

● Analysis Flow



● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F12	250V (4A)	For DRV08A +24 V (DCOUT3)

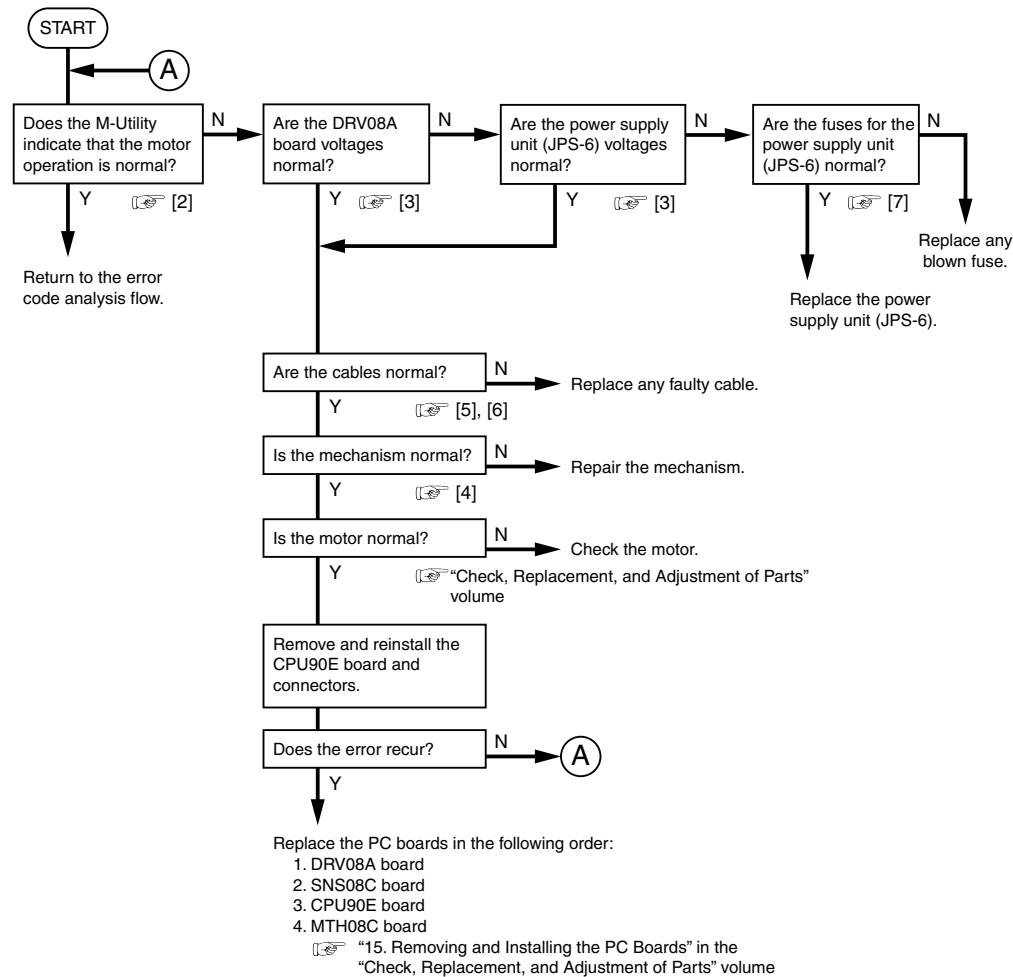


[8] List of compatible motors (118YX164)

ML2 (IP transport motor)

## 7.19 Checking the ML2

### [1] Analysis Flow



FR7H2312.EPS

### [2] Checking with the M-Utility

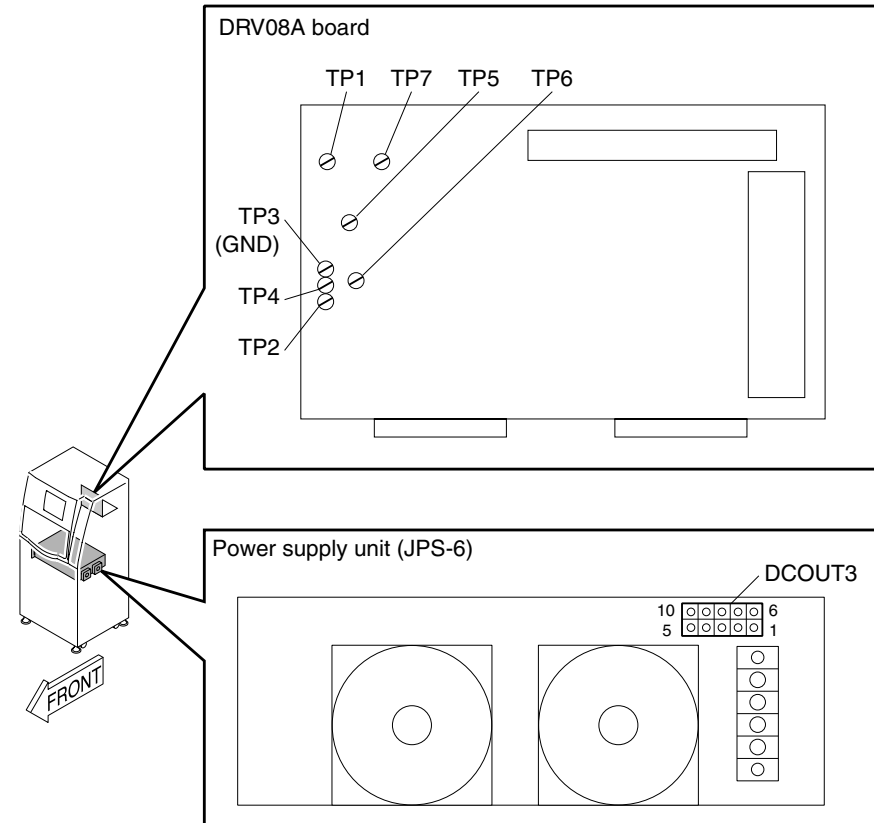
#### ◆ CHECKS ◆

- Check whether the motor runs.  
[6] [ENT] → [2] [ENT] → [3] [ENT] → [2] [ENT]
- Check whether the motor stops.  
[0] [ENT] → [2] [ENT] → [4] [ENT] → [2] [ENT]

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+24V	22.8—25.2V	DRV08A TP4-TP3 (GND) JPS-6 DCOUT3 5-10
+5V	4.75—5.25V	DRV08A TP2-TP3 (GND)

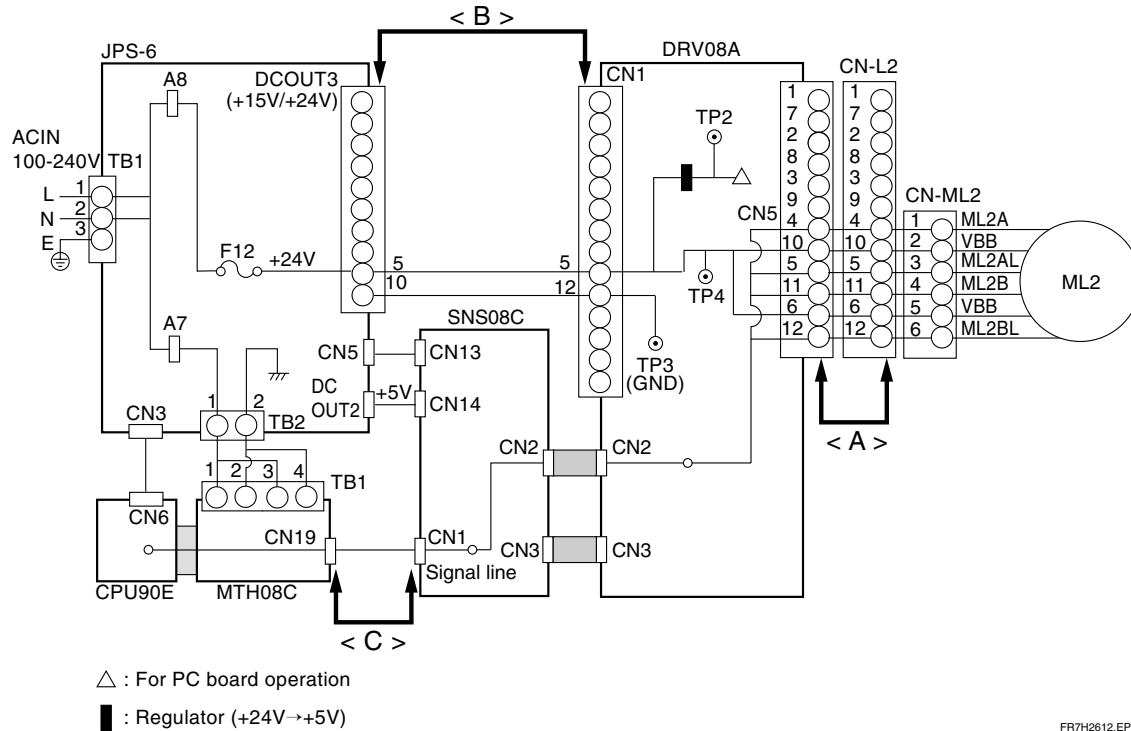
TR7H2075.EPS



### [4] Checking the mechanism

- ML2 replacement  
“5.22 IP Transport Motor (ML2)” in the “Checks, Replacement, and Adjustment of Parts” volume

## [5] Block diagram



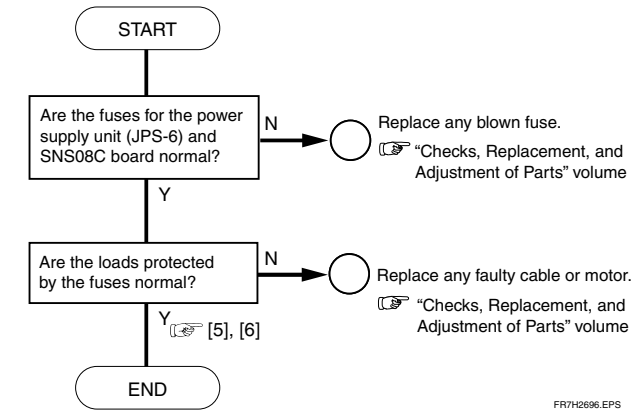
## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
 → The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
 → The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
 → The measured resistance must be 1 Ω or smaller.

## [7] Checking the fuses

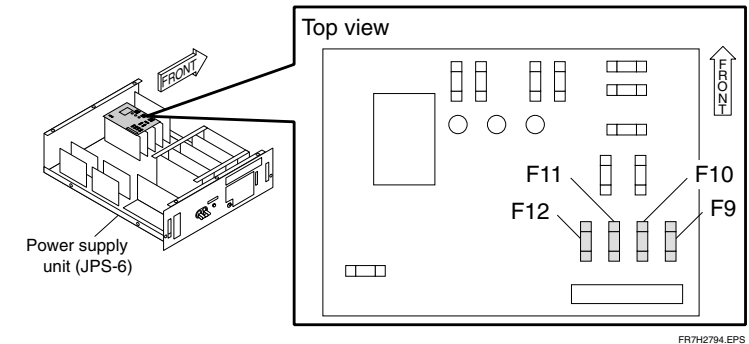
### ● Analysis Flow



FR7H2696.EPS

### ● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F12	250V (4A)	For DRV08A +24 V (DCOUT3)



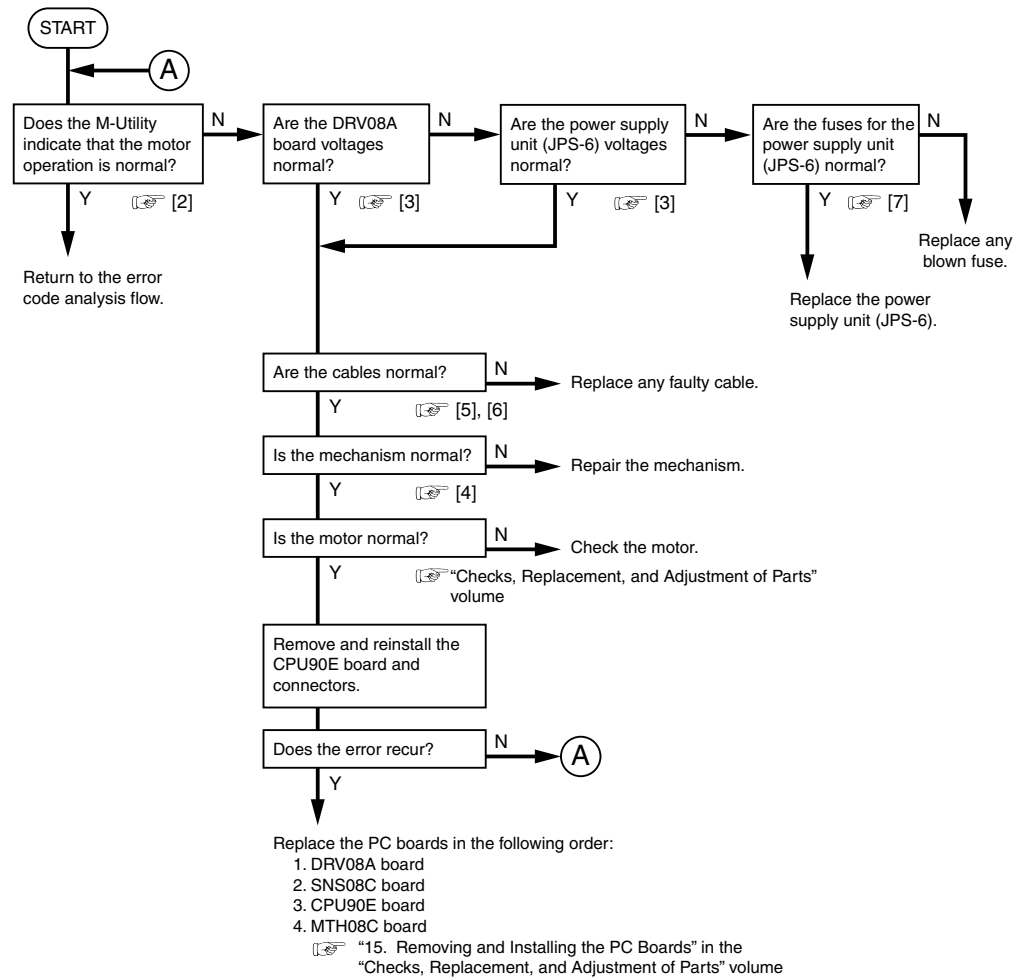
FR7H2794.EPS

## [8] List of compatible motors (118YX164)

ML1 (Suction cup driving motor)

## 7.20 Checking the MM1

### [1] Analysis Flow



### [2] Checking with the M-Utility

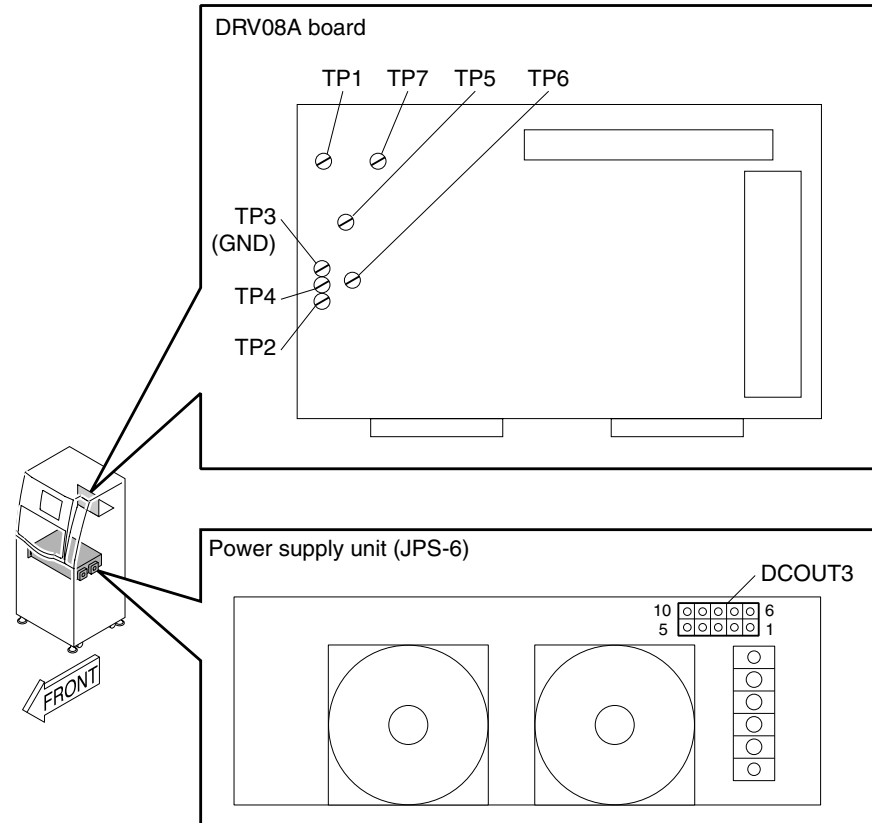
#### ◆ CHECKS ◆

- Check whether the motor runs.  
[6] [ENT] → [2] [ENT] → [3] [ENT] → [4] [ENT]
- Check whether the motor stops.  
[0] [ENT] → [2] [ENT] → [4] [ENT] → [4] [ENT]

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+24V	22.8—25.2V	DRV08A TP6-TP3 (GND)
		JPS-6 DCOUT3 4-9
+5V	4.75—5.25V	DRV08A TP2-TP3 (GND)

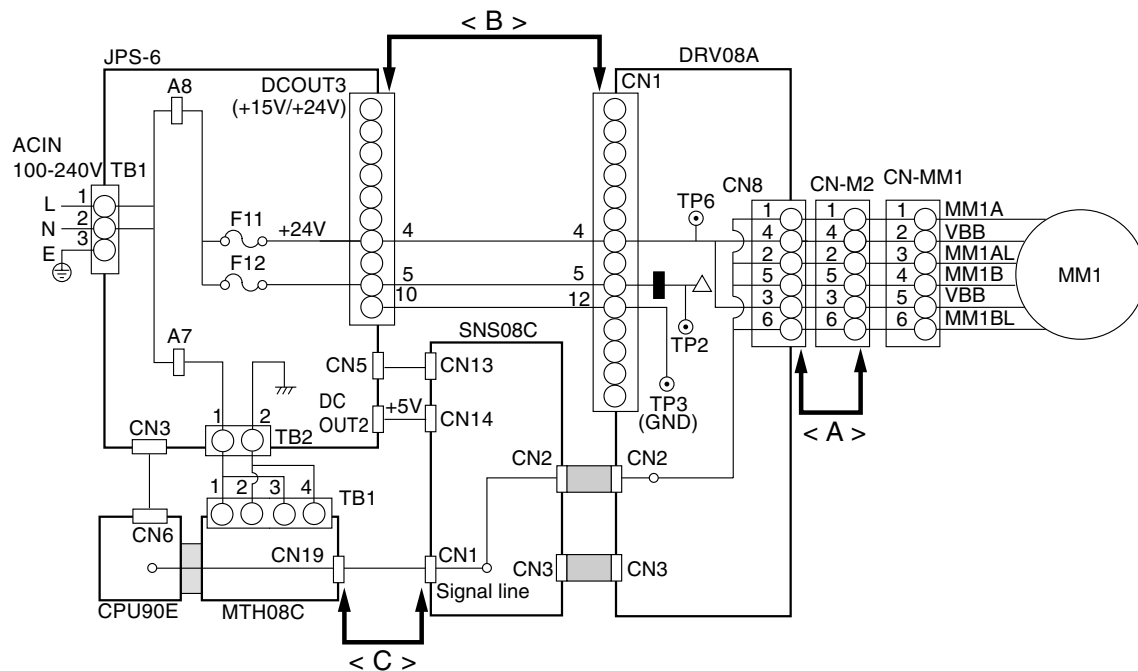
TR7H2076.EPS



### [4] Checking the mechanism

- MM1 replacement  
[6] "6.14 IP Transport Motor (MM1)" in the "Checks, Replacement, and Adjustment of Parts" volume

## [5] Block diagram



△ : For PC board operation

■ : Regulator (+24V→+5V)

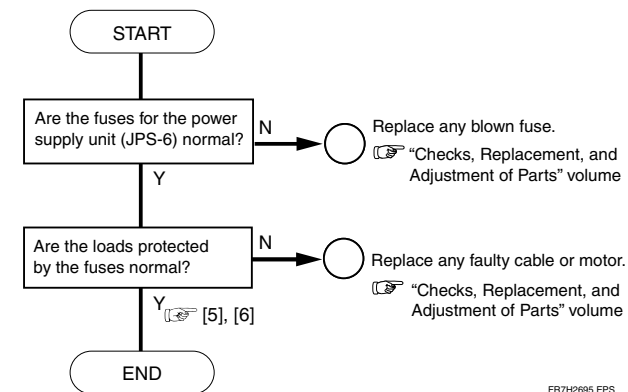
## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

## [7] Checking the fuses

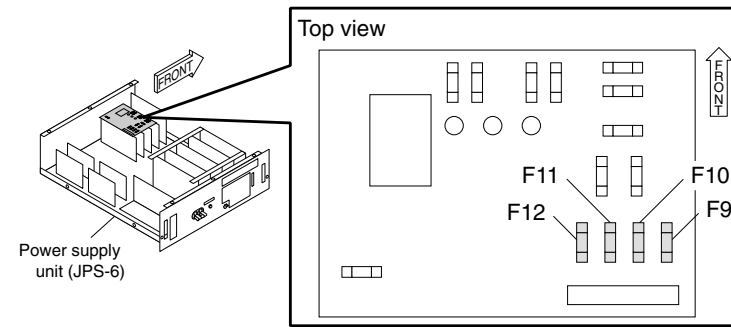
### ● Analysis Flow



FR7H2695.EPS

### ● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F11	250V (4A)	For DRV08A +24 V (DCOUT3)
F12	250V (4A)	For DRV08A +24 V (DCOUT3)



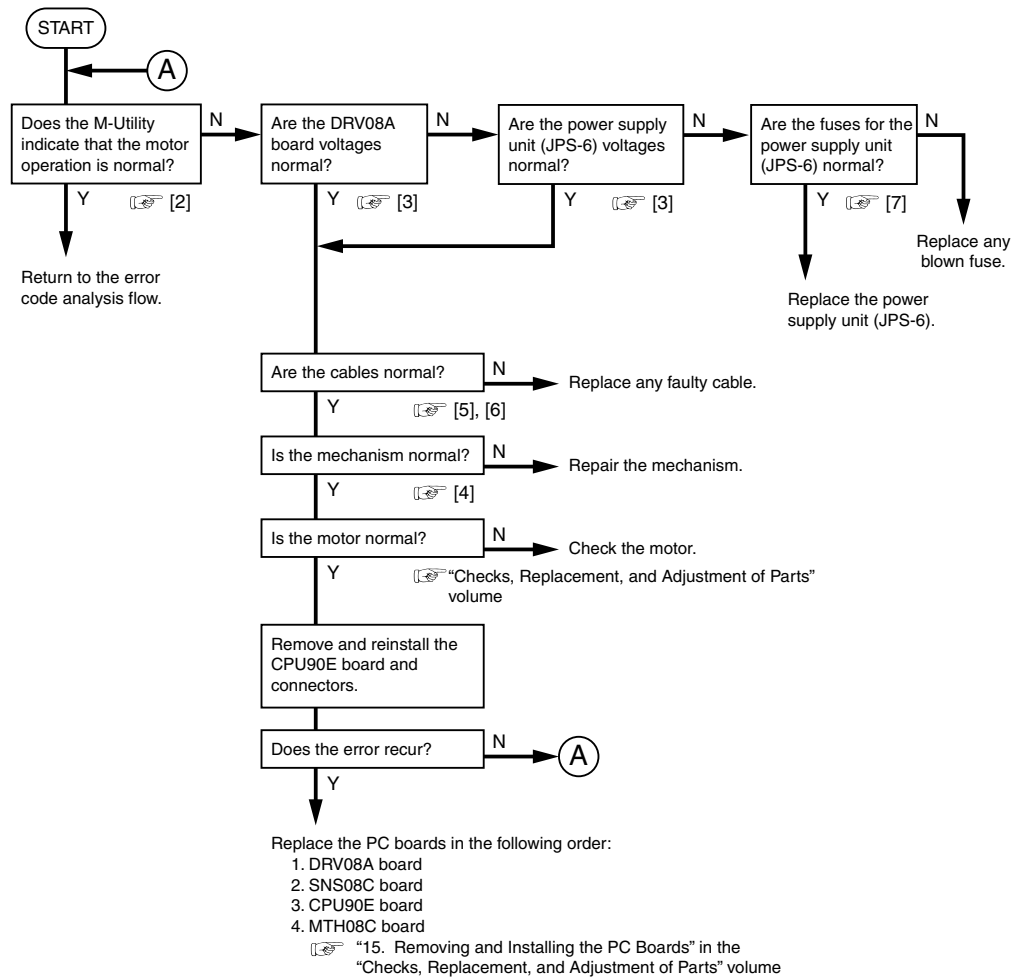
FR7H2791.EPS

## [8] List of compatible motors (118YX165)

- MN2 (Grip release motor)
- MN3 (IP transport motor)
- MN4 (Cleaning guide drive motor)

## 7.21 Checking the MN1

### [1] Analysis Flow



### [2] Checking with the M-Utility

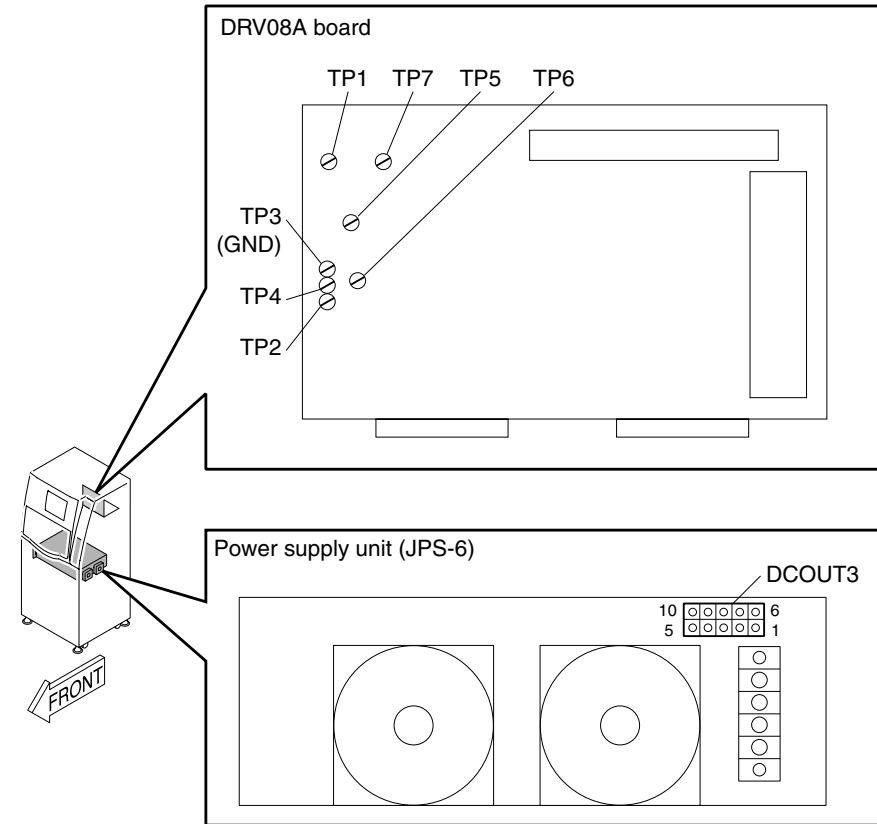
#### ◆ CHECKS ◆

- Check whether the motor runs.  
[6] [ENT] → [2] [ENT] → [3] [ENT] → [5] [ENT]
- Check whether the motor stops.  
[0] [ENT] → [2] [ENT] → [4] [ENT] → [5] [ENT]

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+24V	22.8—25.2V	DRV08A TP7-TP3 (GND) JPS-6 DCOUT3 2-7
+5V	4.75—5.25V	DRV08A TP2-TP3 (GND)

TR7H2077.EPS

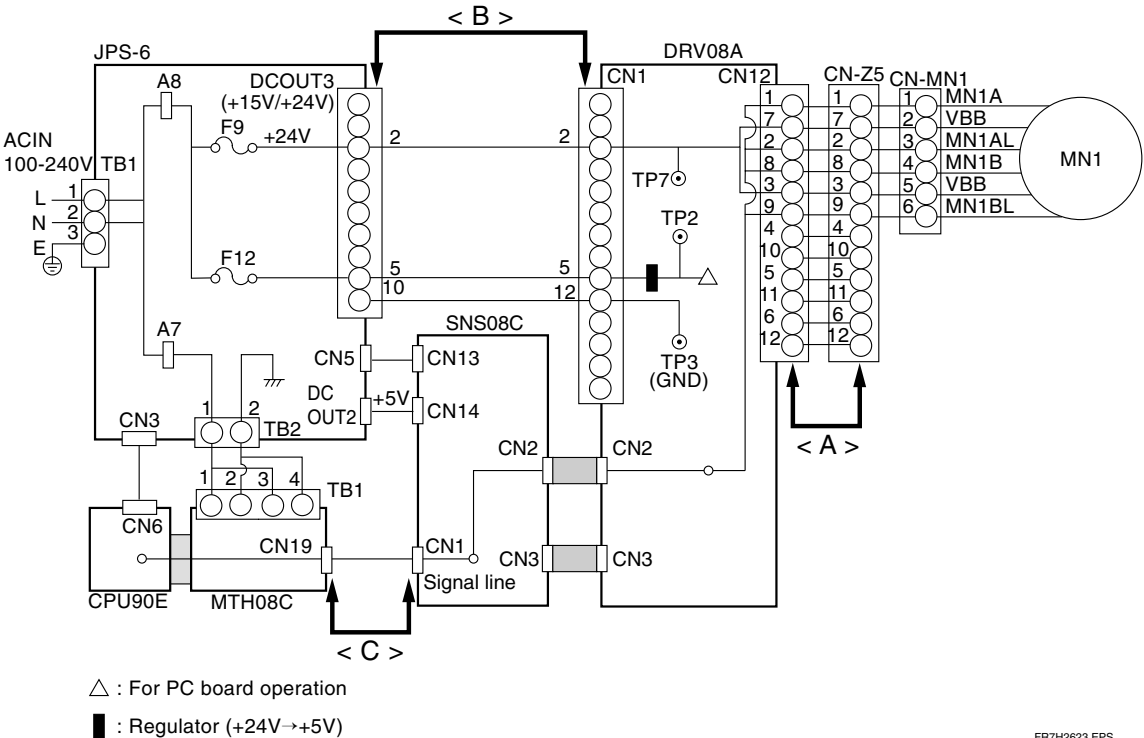


FR7H2796.EPS

### [4] Checking the mechanism

- MN1 replacement  
"8.18 Timing Belt (for Side-Positioning Mechanism)" in the "Checks, Replacement, and Adjustment of Parts" volume

[5] Block diagram

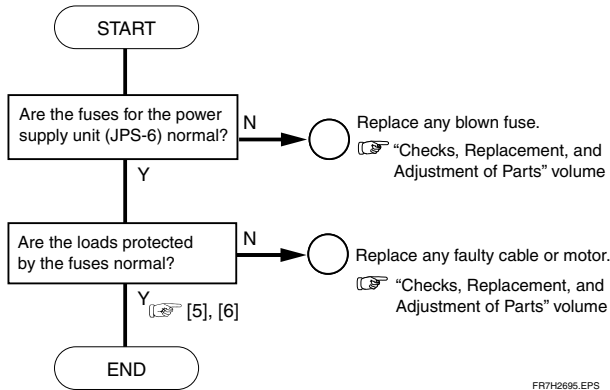


[6] Checking the cables

- Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:
1. Check that the connectors are properly connected.
  2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
  3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
  4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

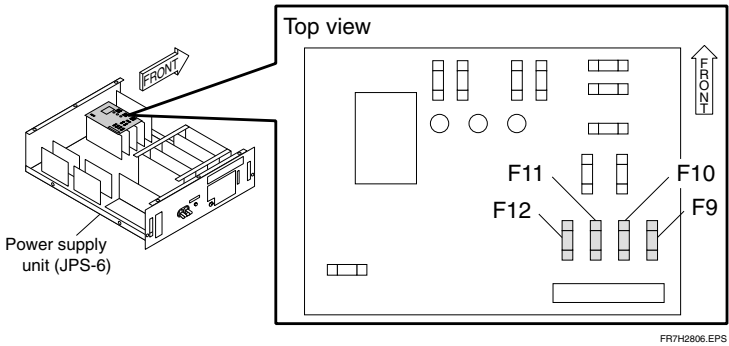
[7] Checking the fuses

● Analysis Flow



● Power Supply Unit (JPS-6)

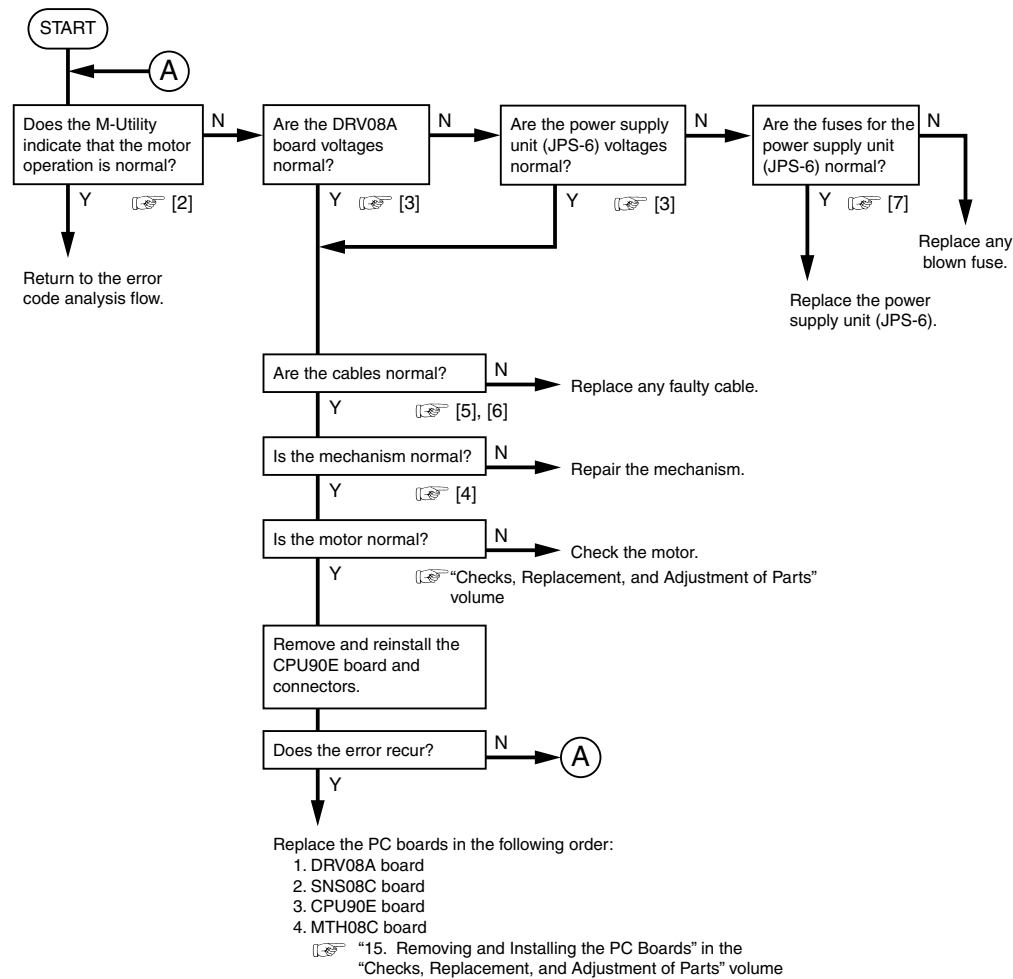
Name	Rated voltage (rated current)	Remarks
F9	250V (4A)	For DRV08A +24 V (DCOUT3)
F12	250V (4A)	For DRV08A +24 V (DCOUT3)





## 7.22 Checking the MN2

### [1] Analysis Flow



### [2] Checking with the M-Utility

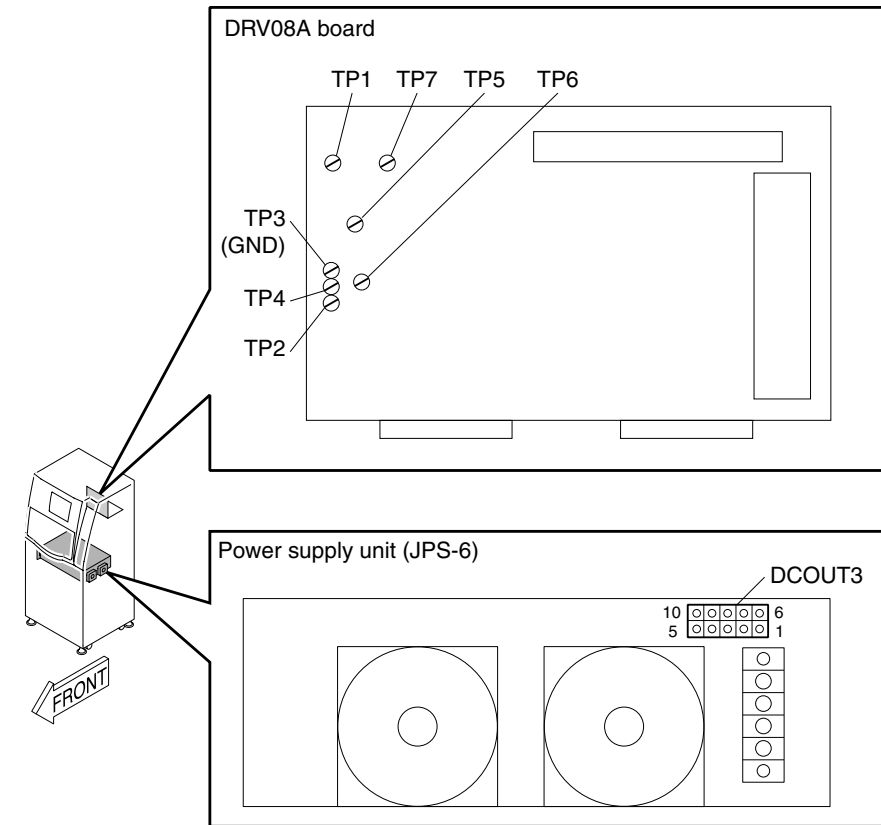
#### ◆ CHECKS ◆

- Check whether the motor runs.  
[6] [ENT] → [2] [ENT] → [3] [ENT] → [6] [ENT]
- Check whether the motor stops.  
[0] [ENT] → [2] [ENT] → [4] [ENT] → [6] [ENT]

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+24V	22.8—25.2V	DRV08A TP7-TP3 (GND) JPS-6 DCOUT3 2-7
+5V	4.75—5.25V	DRV08A TP2-TP3 (GND)

TR7H2078.EPS

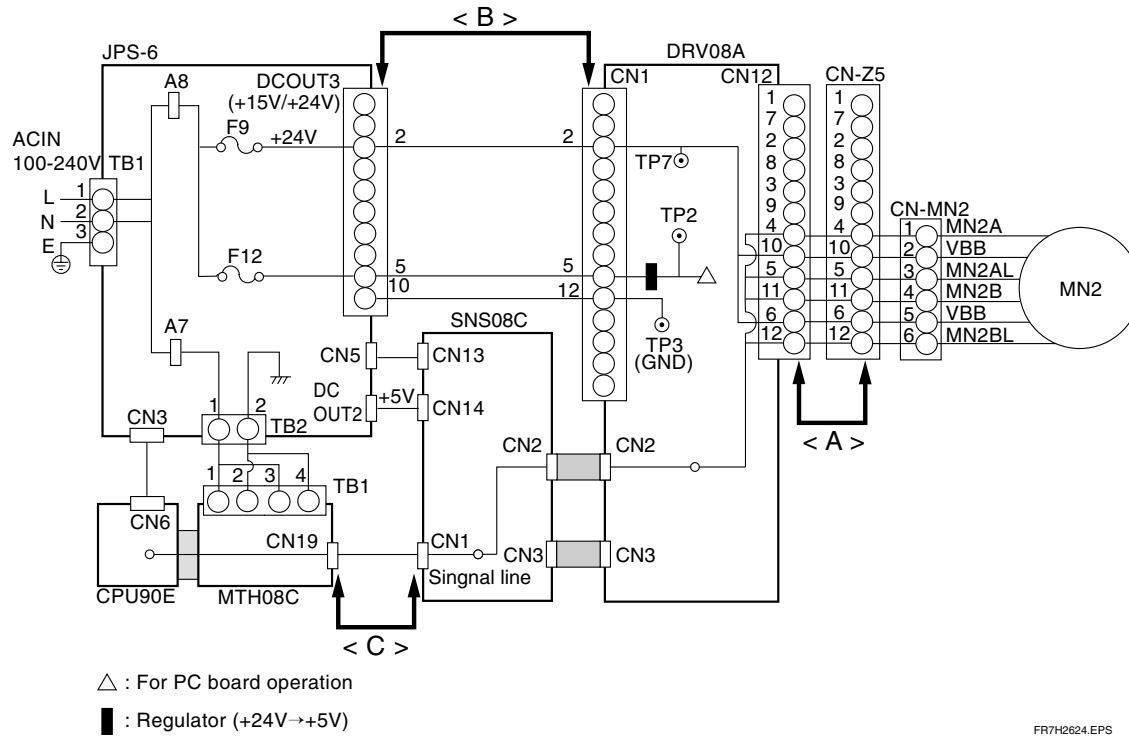


FR7H2797.EPS

### [4] Checking the mechanism

- MN2 replacement  
"8.2 Grip Release Motor (MN2)" in the "Checks, Replacement, and Adjustment of Parts" volume

## [5] Block diagram



FR7H2624.EPS

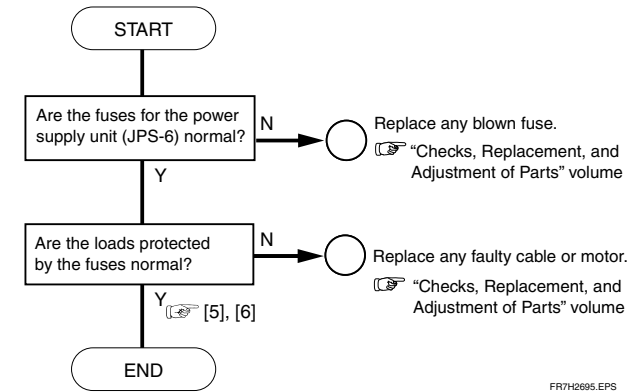
## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
 → The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
 → The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
 → The measured resistance must be 1 Ω or smaller.

## [7] Checking the fuses

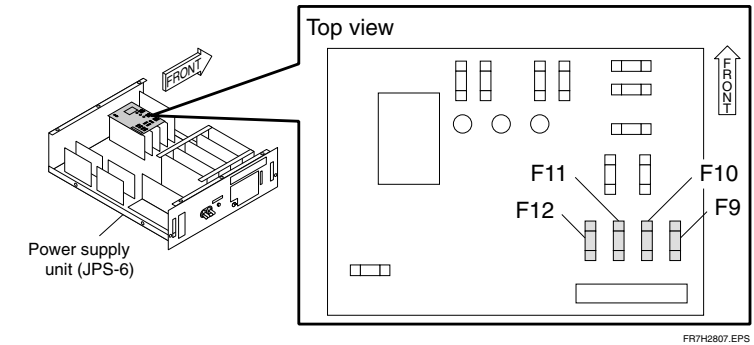
### ● Analysis Flow



FR7H2695.EPS

### ● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F9	250V (4A)	For DRV08A +24 V (DCOUT3)
F12	250V (4A)	For DRV08A +24 V (DCOUT3)



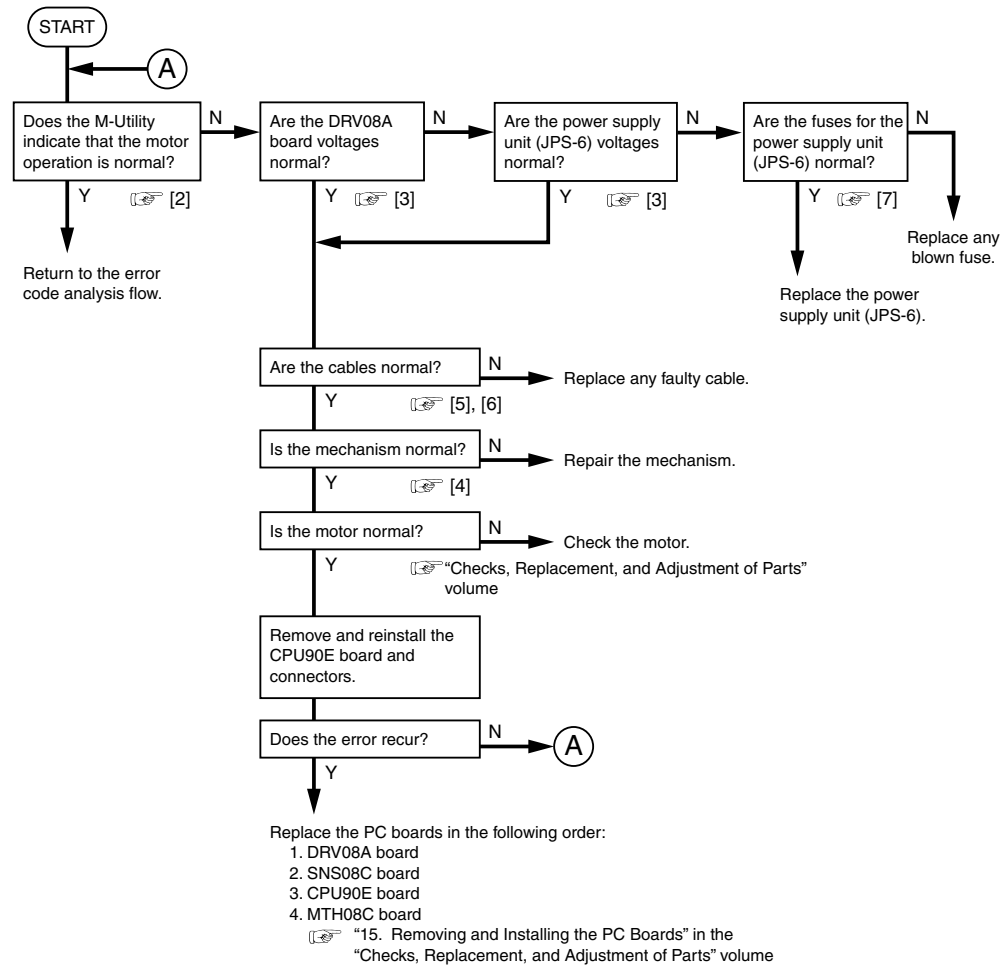
FR7H2807.EPS

## [8] List of compatible motors (118YX165)

- MM1 (IP transport motor)
- MN3 (IP transport motor)
- MN4 (Cleaning guide drive motor)

## 7.23 Checking the MN3

### [1] Analysis Flow



FR7H2325.EPS

### [2] Checking with the M-Utility

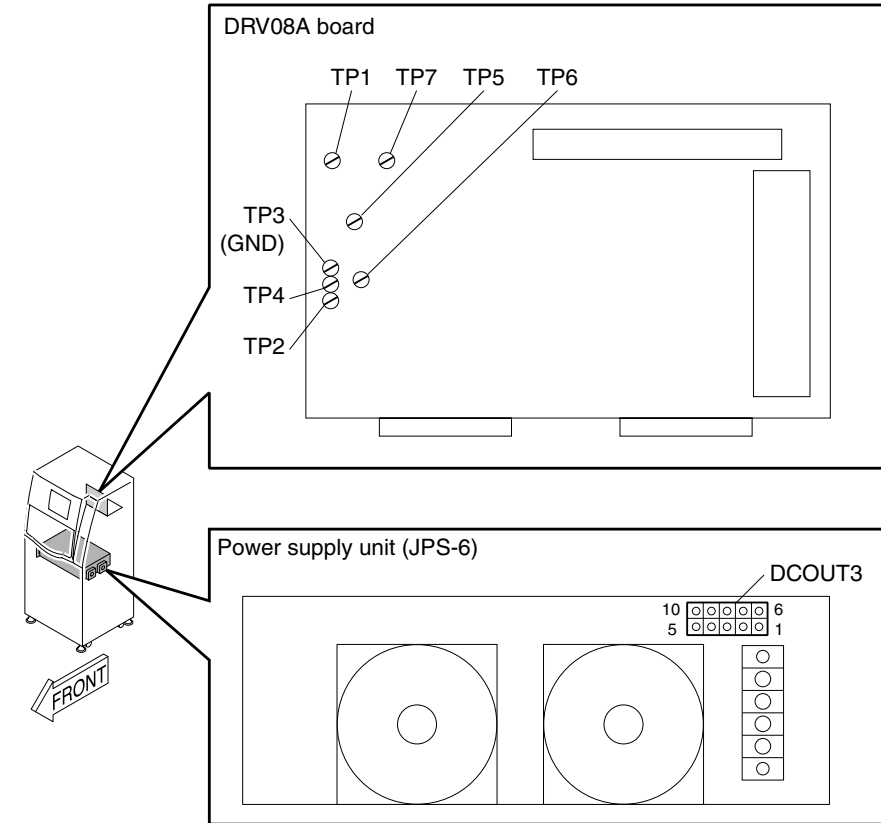
#### ◆ CHECKS ◆

- Check whether the motor runs.  
[6] [ENT] → [2] [ENT] → [3] [ENT] → [7] [ENT]
- Check whether the motor stops.  
[0] [ENT] → [2] [ENT] → [4] [ENT] → [7] [ENT]

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+24V	22.8—25.2V	DRV08A TP7-TP3 (GND) JPS-6 DCOUT3 2-7
+5V	4.75—5.25V	DRV08A TP2-TP3 (GND)

TR7H2079.EPS



FR7H2708.EPS

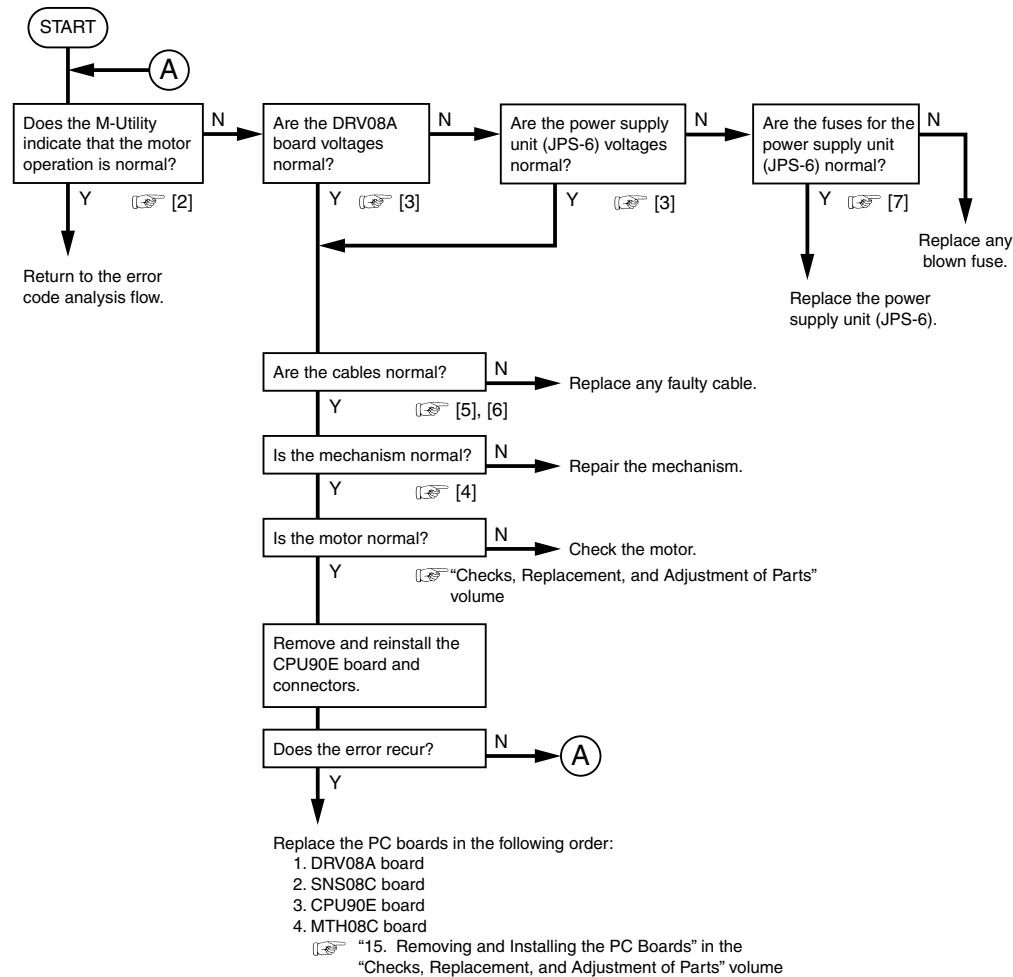
### [4] Checking the mechanism

- MN3 replacement  
"8.13 Timing Belt (for IP Conveyance)" in the "Checks, Replacement, and Adjustment of Parts" volume



## 7.24 Checking the MN4

### [1] Analysis Flow



FR71H2326.EPS

### [2] Checking with the M-Utility

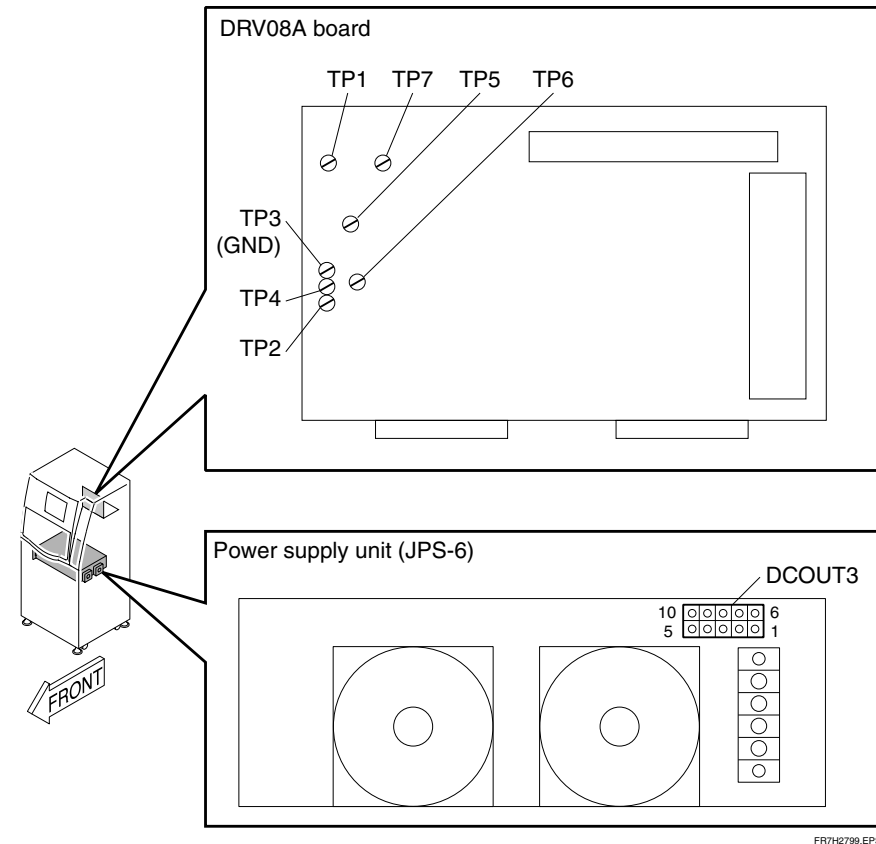
#### ◆ CHECKS ◆

- Check whether the motor runs.  
[6] [ENT] → [2] [ENT] → [3] [ENT] → [1] [0] [ENT]
- Check whether the motor stops.  
[0] [ENT] → [2] [ENT] → [4] [ENT] → [1] [0] [ENT]

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+24V	22.8—25.2V	DRV08A TP5-TP3 (GND)
		JPS-6 DCOUT3 3-8
+5V	4.75—5.25V	DRV08A TP2-TP3 (GND)

TR71H2080.EPS



FR71H2799.EPS

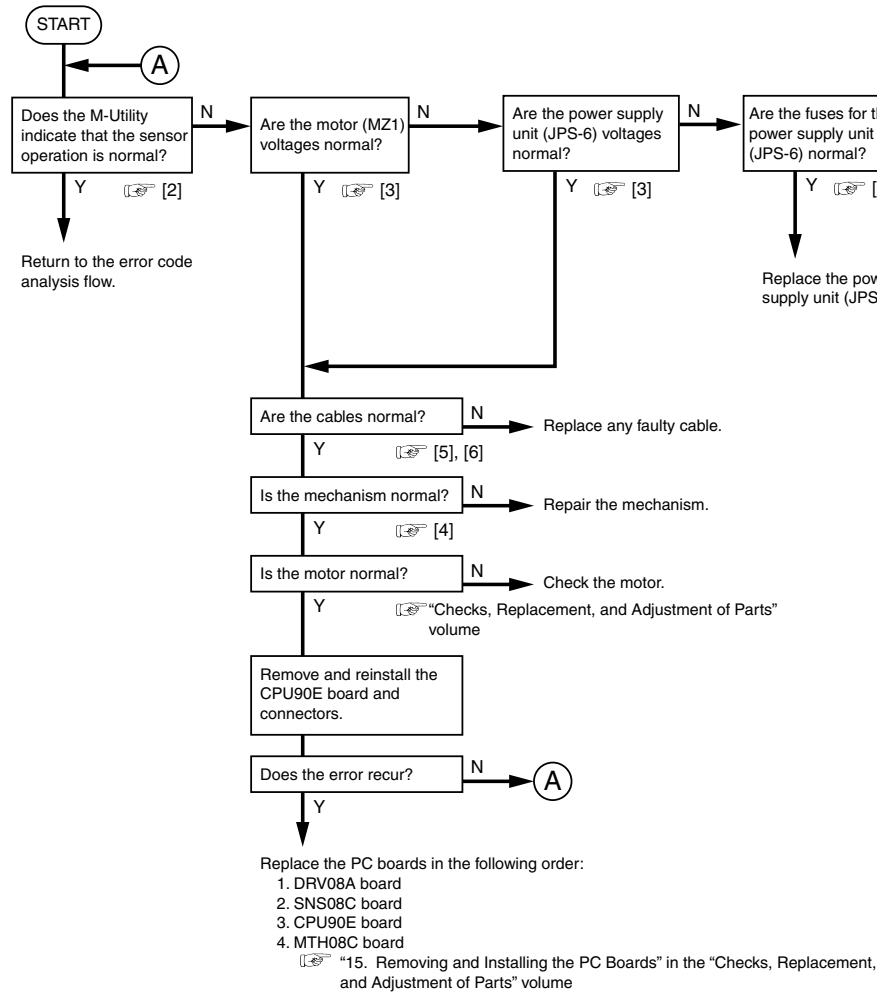
### [4] Checking the mechanism

- MN4 replacement  
"8.6 Cleaning Guide Drive Motor (MN4)" in the "Checks, Replacement, and Adjustment of Parts" volume



## 7.25 Checking the MZ1

### [1] Analysis Flow



### [2] Checking with the M-Utility

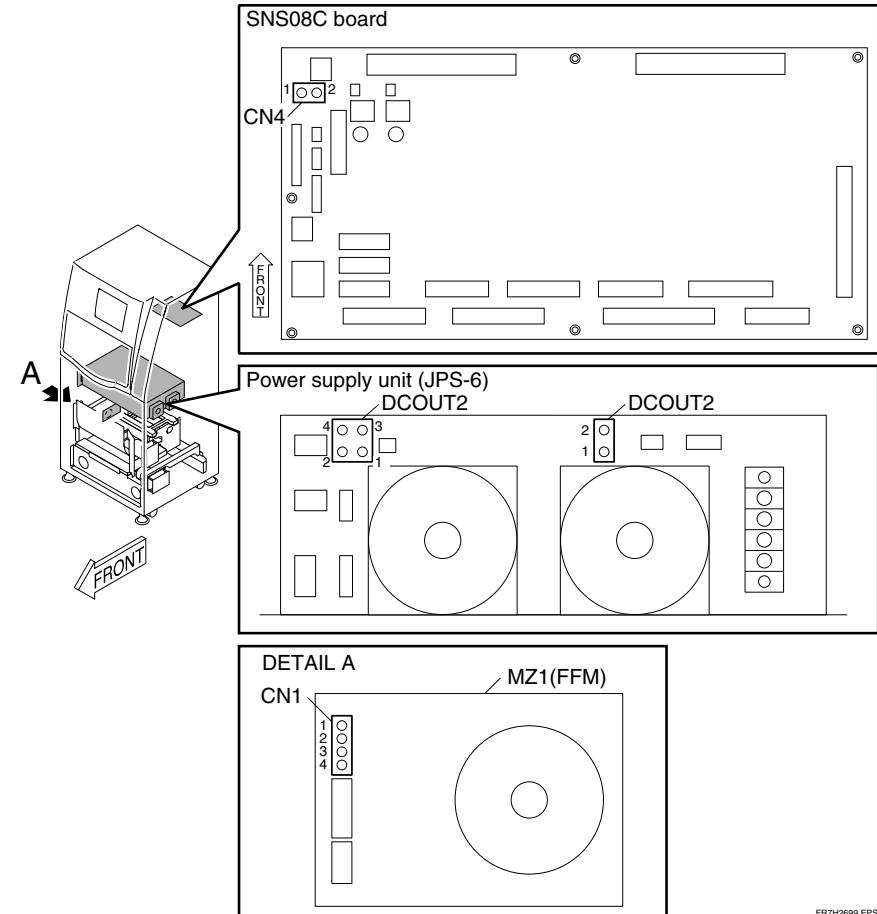
#### ◆ CHECKS ◆

- Check whether the motor runs.  
[6] [ENT] → [3] [ENT] → [2] [ENT] → [1] [1] [ENT]
- Check whether the motor stops.  
[0] [ENT] → [3] [ENT] → [3] [ENT] → [1] [1] [ENT]

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75~5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2
+15V	14.25~15.75V	JPS-6 DCOUT7 1-2
		MZ1 CN1 1-2
+5V	4.75~5.25V	JPS-6 DCOUT7 3-4
		MZ1 CN1 3-4

TR7H2139.EPS

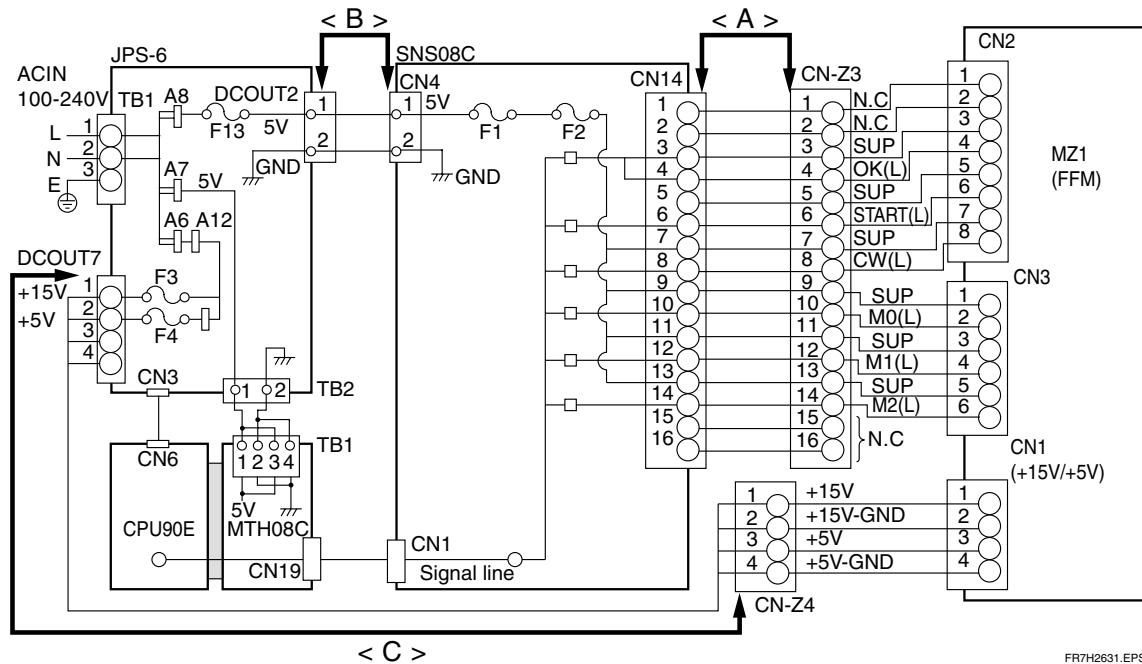


FR7H2699.EPS

### [4] Checking the mechanism

- MZ1 replacement  
"10.6 Subscanning Motor MZ1 (FFM)" in the "Checks, Replacement, and Adjustment of Parts" volume

## [5] Block diagram



FR7H2631.EPS

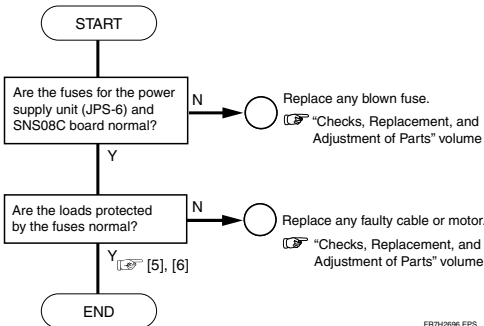
## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

## [7] Checking the fuses

### ● Analysis Flow

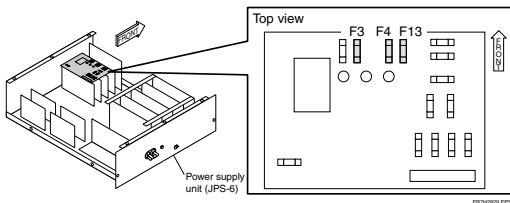


FR7H2696.EPS

### ● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F3	250V (5A)	For FFM +15 V (DCOUT7)
F4	250V (5A)	For FFM +5 V (DCOUT7)
F13	250V (5A)	For SNC08C +5 V (DCOUT2)

TR7H2140.EPS

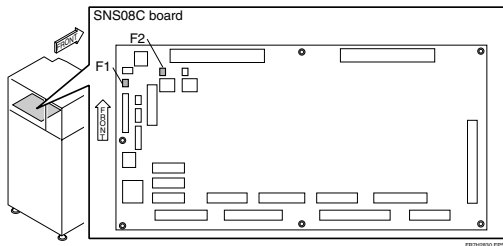


FR7H2630.EPS

### ● SNS08C board

Name	Rated voltage (rated current)	Remarks
F1	125V (5A)	---
F2	125V (2A)	---

TR7H2141.EPS

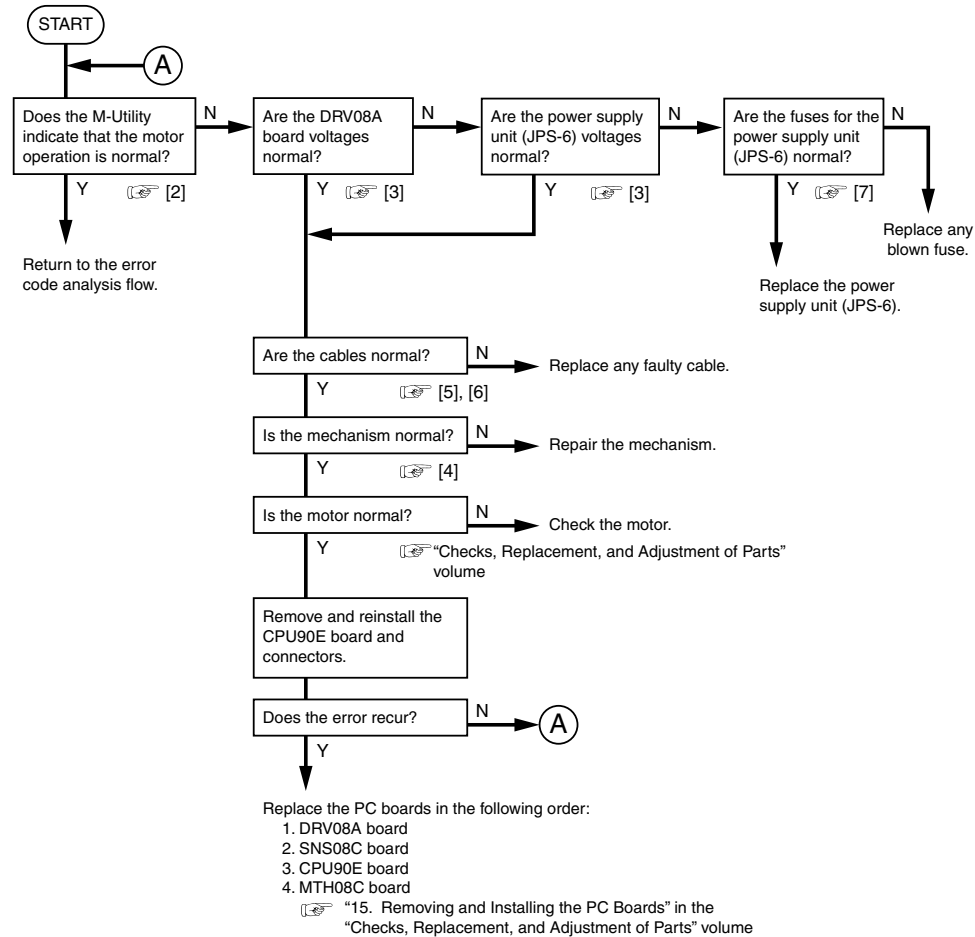


FR7H2630.EPS



## 7.26 Checking the MZ2

### [1] Analysis Flow



FR7H2332.EPS

### [2] Checking with the M-Utility

- Grip or releases the driving shaft.

[6] [ENT] → [6] [ENT] → [1] or [2] [ENT]

[GOOD result indication]

DRIVE TIME : XXX

RESULT - OK

[NG result indication]

RESULT - ERROR (YYYY)

NOTE)

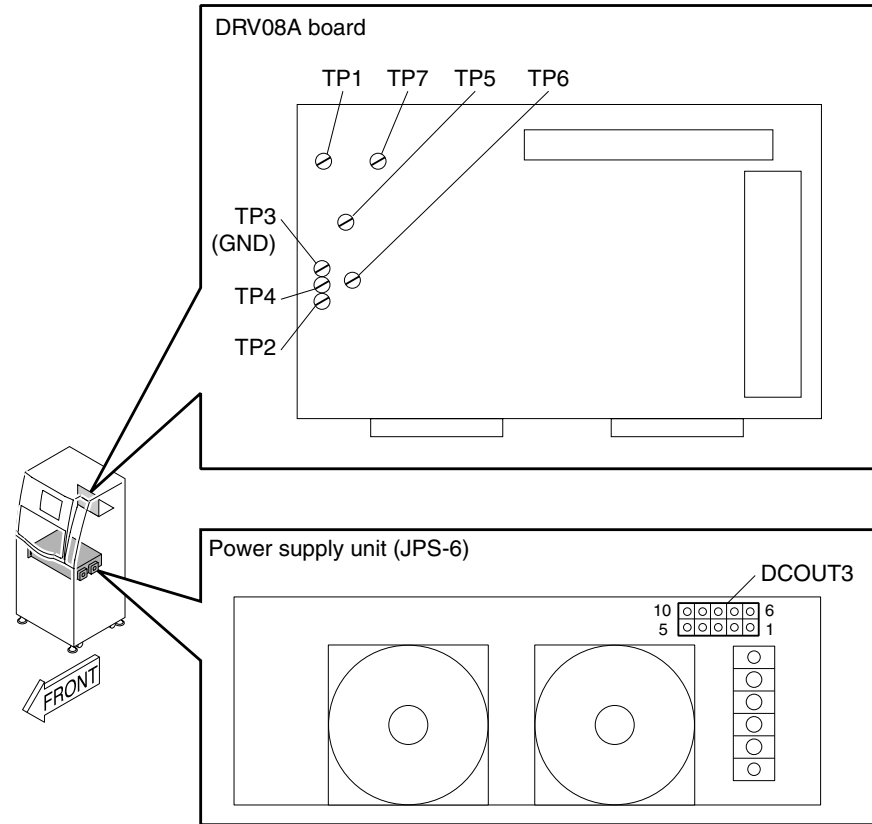
XXX : Driving time (in 10 msec units)

YYYY : Error code

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+24V	22.8~25.2V	DRV08A TP1-TP3 (GND)
		JPS-6 DCOUT3 1-6
+5V	4.75~5.25V	DRV08A TP2-TP3 (GND)

TR7H2081.EPS



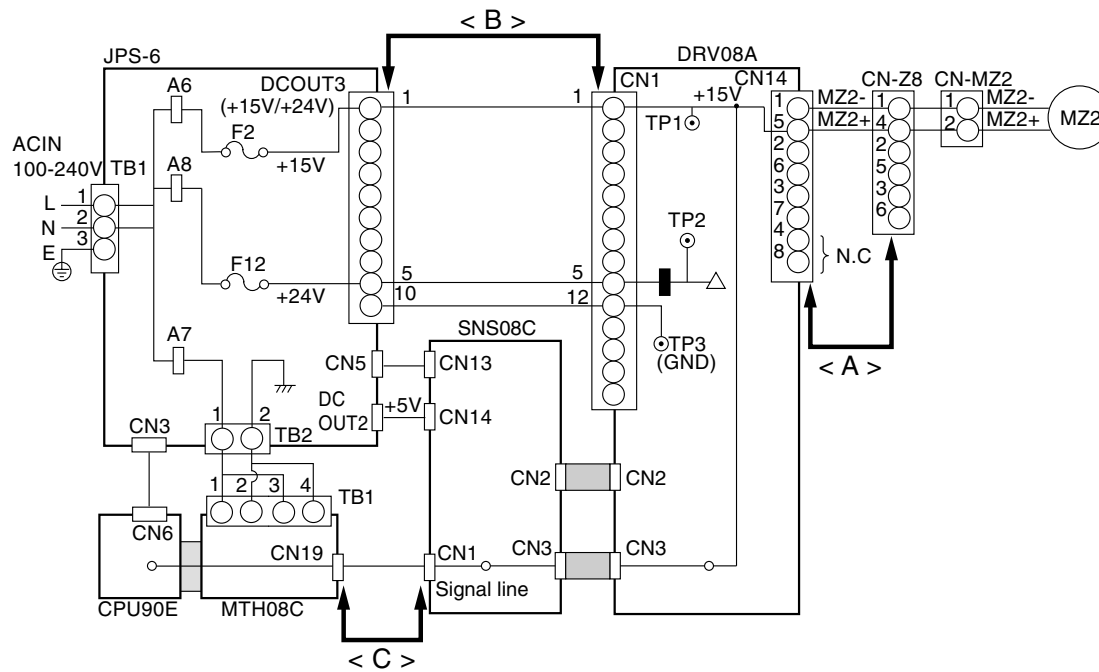
FR7H2800.EPS

### [4] Checking the mechanism

- MZ2 replacement

"10.15 Driving-Shaft Grip Motor (MZ2)" in the "Checks, Replacement, and Adjustment of Parts" volume

## [5] Block diagram



△ : For PC board operation

■ : Regulator (+24V→+5V)

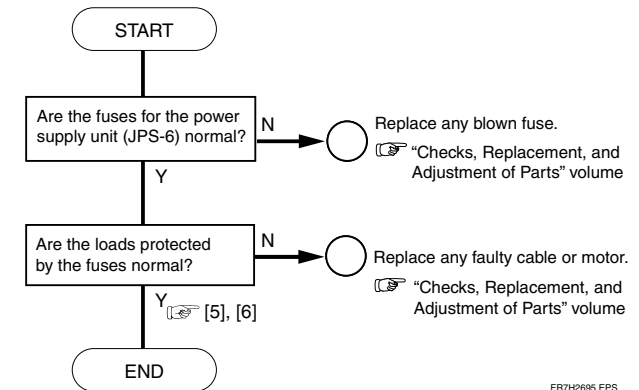
## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

## [7] Checking the fuses

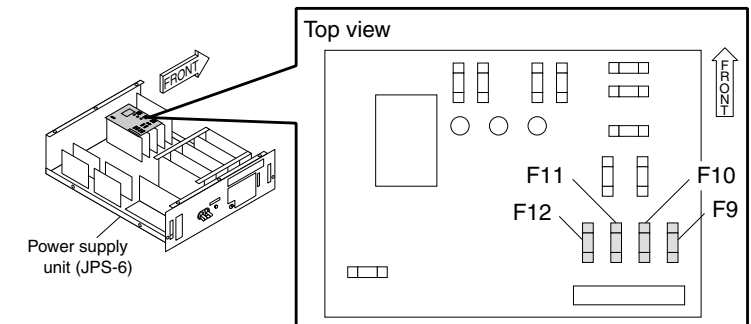
### ● Analysis Flow



FR7H2695.EPS

### ● Power Supply Unit (JPS-6)

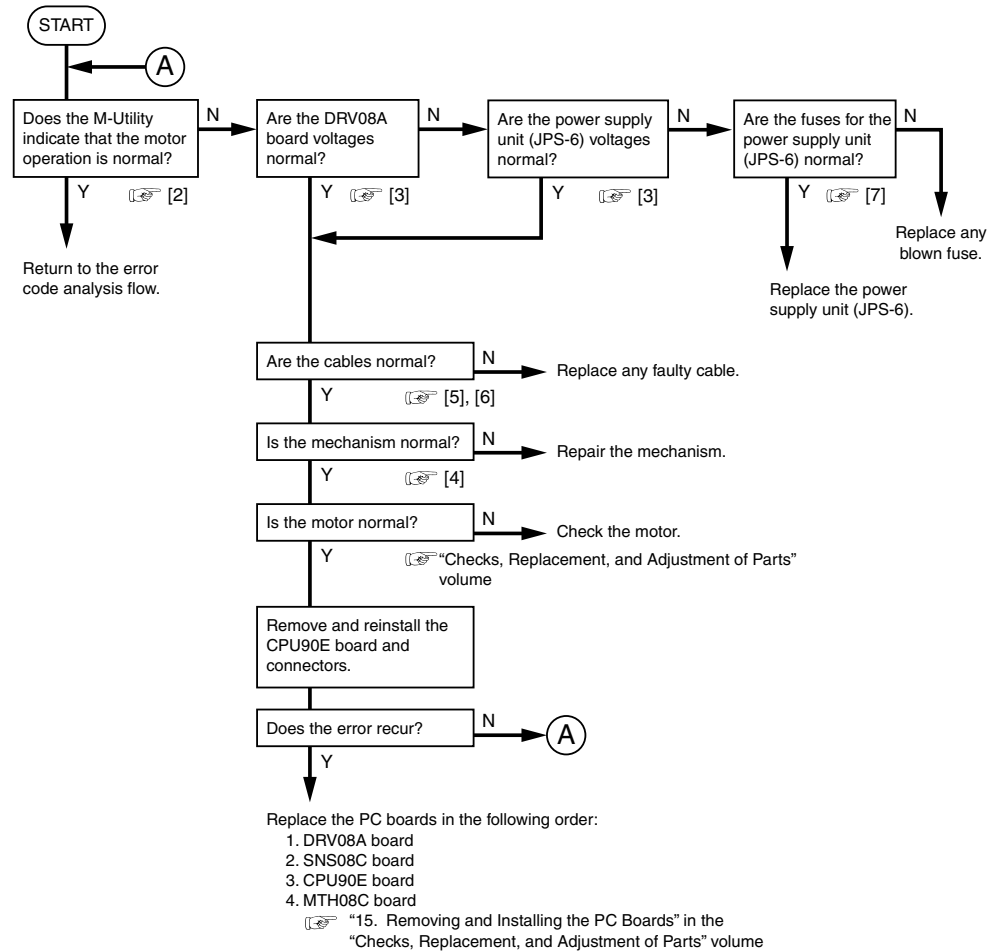
Name	Rated voltage (rated current)	Remarks
F2	250V (4A)	For DRV08A +15 V (DCOUT3)
F12	250V (4A)	For DRV08A +24 V (DCOUT3)



FR7H2810.EPS

## 7.27 Checking the MZ3

### [1] Analysis Flow



FR7H2333.EPS

### [2] Checking with the M-Utility

- Grip or releases the driven shaft.

[6] [ENT] → [7] [ENT] → [1] or [2] [ENT]

[GOOD result indication]

DRIVE TIME : XXX

RESULT - OK

[NG result indication]

RESULT - ERROR (YYYY)

NOTE)

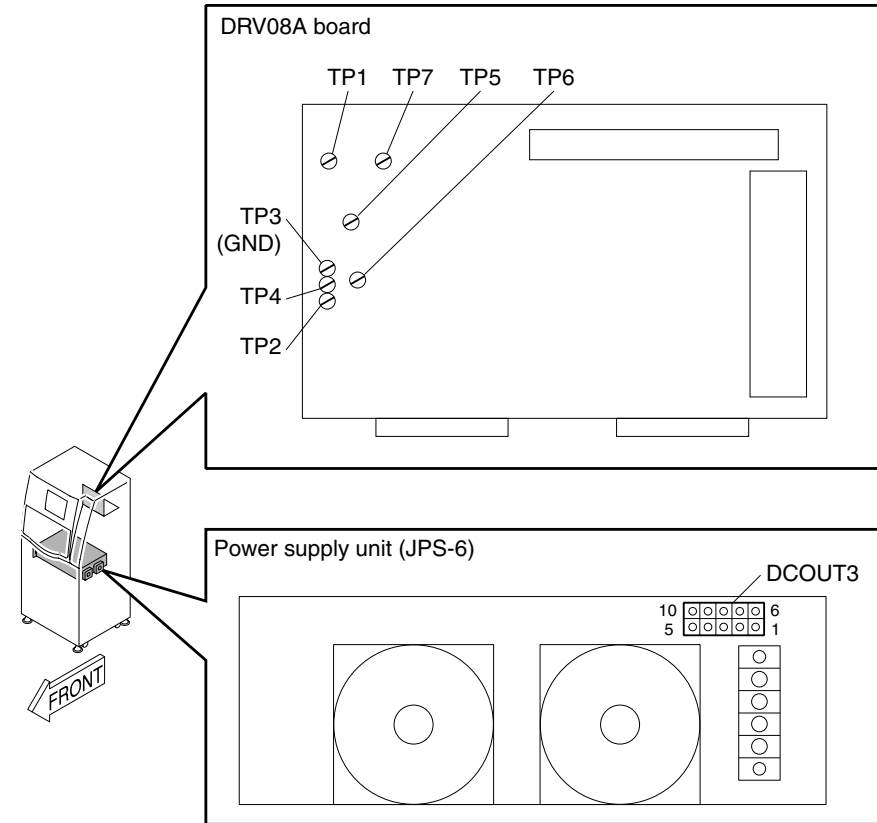
XXX : Driving time (in 10 msec units)

YYYY : Error code

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+24V	14.25–15.75V	DRV08A TP1-TP3 (GND)
		JPS-6 DCOUT3 1-6
+5V	4.75–5.25V	DRV08A TP2-TP3 (GND)

TR7H2082.EPS

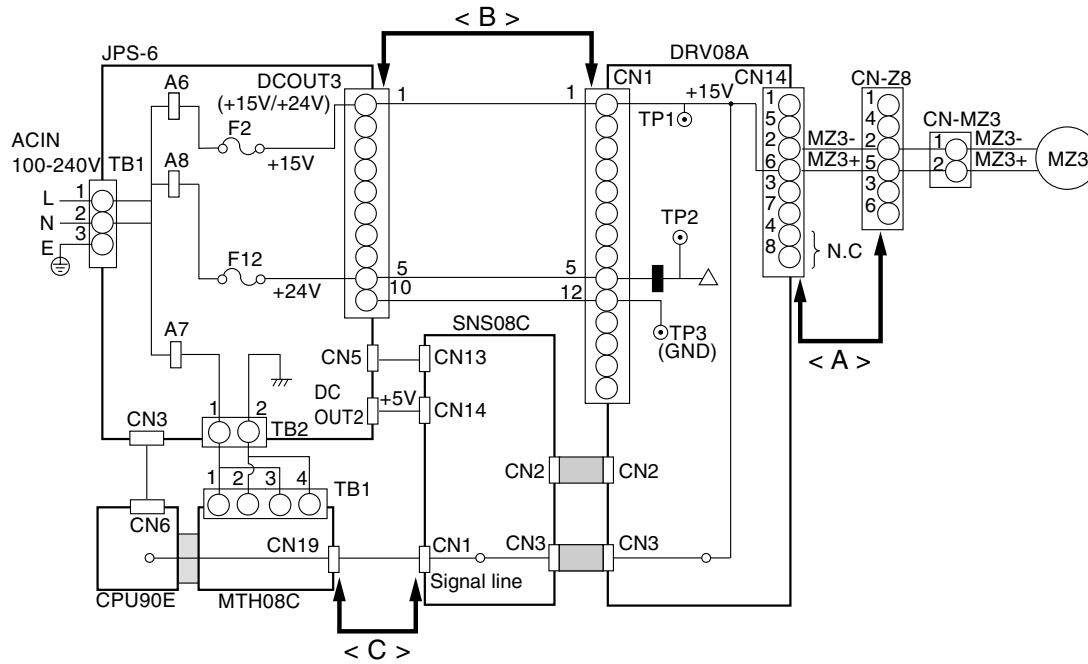


### [4] Checking the mechanism

- MZ3 replacement

“10.16 Driven-Shaft Grip Motor (MZ3)” in the “Checks, Replacement, and Adjustment of Parts” volume

## [5] Block diagram



△ : For PC board operation

■ : Regulator (+24V → +5V)

FR7H2633.EPS

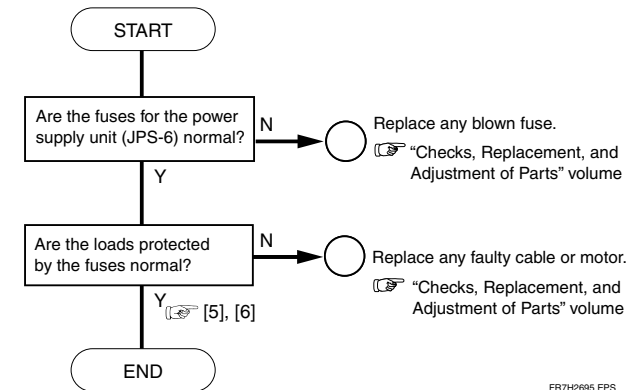
## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

1. Check that the connectors are properly connected.  
→ The measured resistance must be 2 Ω or greater.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

## [7] Checking the fuses

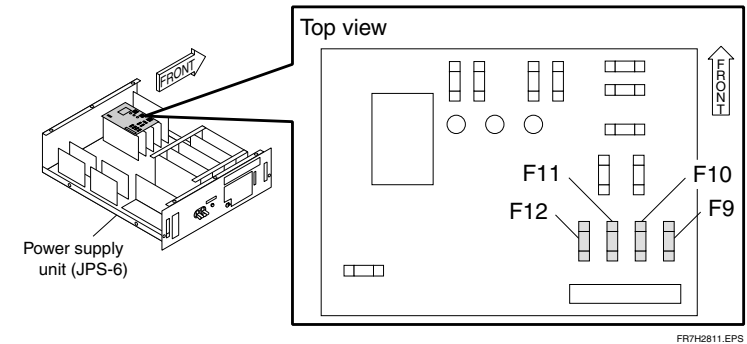
### ● Analysis Flow



FR7H2695.EPS

### ● Power Supply Unit (JPS-6)

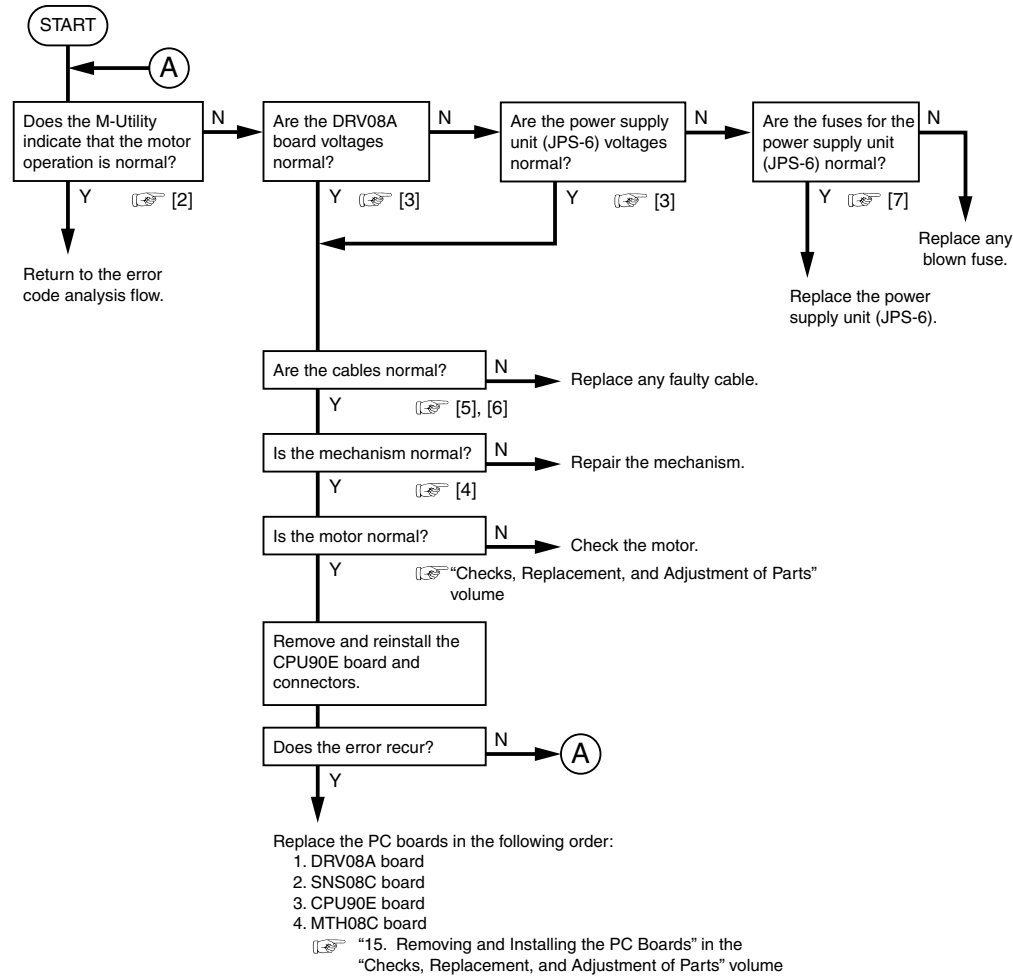
Name	Rated voltage (rated current)	Remarks
F2	250V (4A)	For DRV08A +15 V (DCOUT3)
F12	250V (4A)	For DRV08A +24 V (DCOUT3)



FR7H2611.EPS

## 7.28 Checking the MZ4

### [1] Analysis Flow



FR7H2334.EPS

### [2] Checking with the M-Utility

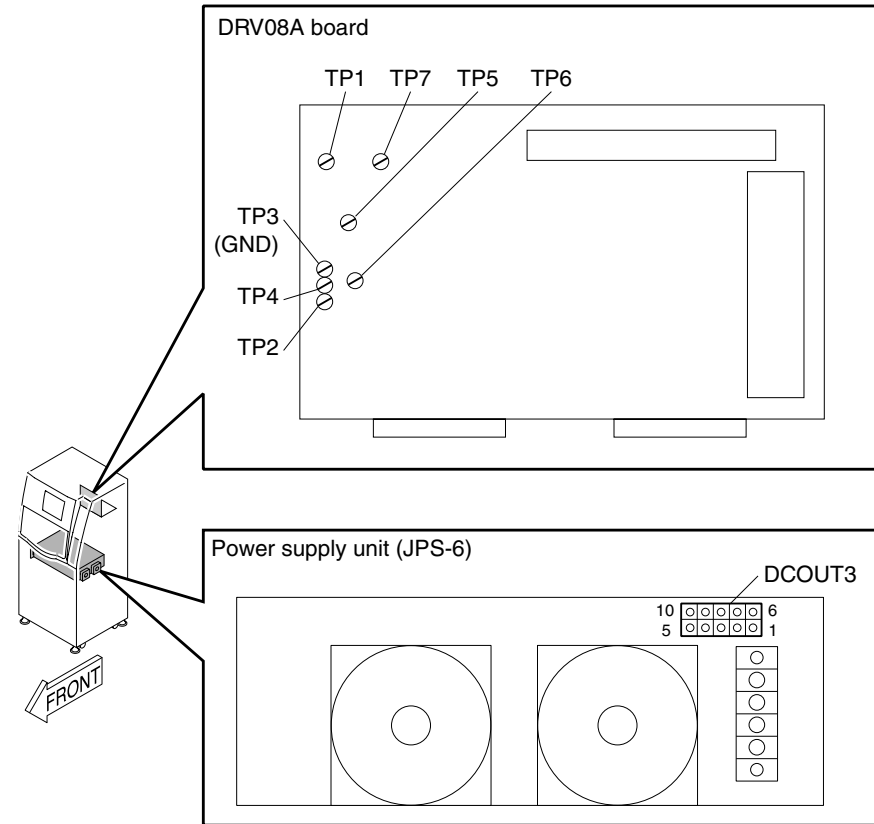
#### ◆ CHECKS ◆

- Check whether the motor runs.  
[6] [ENT] → [3] [ENT] → [2] [ENT] → [1] [1] [ENT]
- Check whether the motor stops.  
[0] [ENT] → [3] [ENT] → [3] [ENT] → [1] [1] [ENT]

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+15V	14.25—15.75V	DRV08A TP5-TP3 (GND) JPS-6 DCOUT3 3-8
+5V	4.75—5.25V	DRV08A TP2-TP3 (GND)

TR7H2083.EPS



FR7H2802.EPS

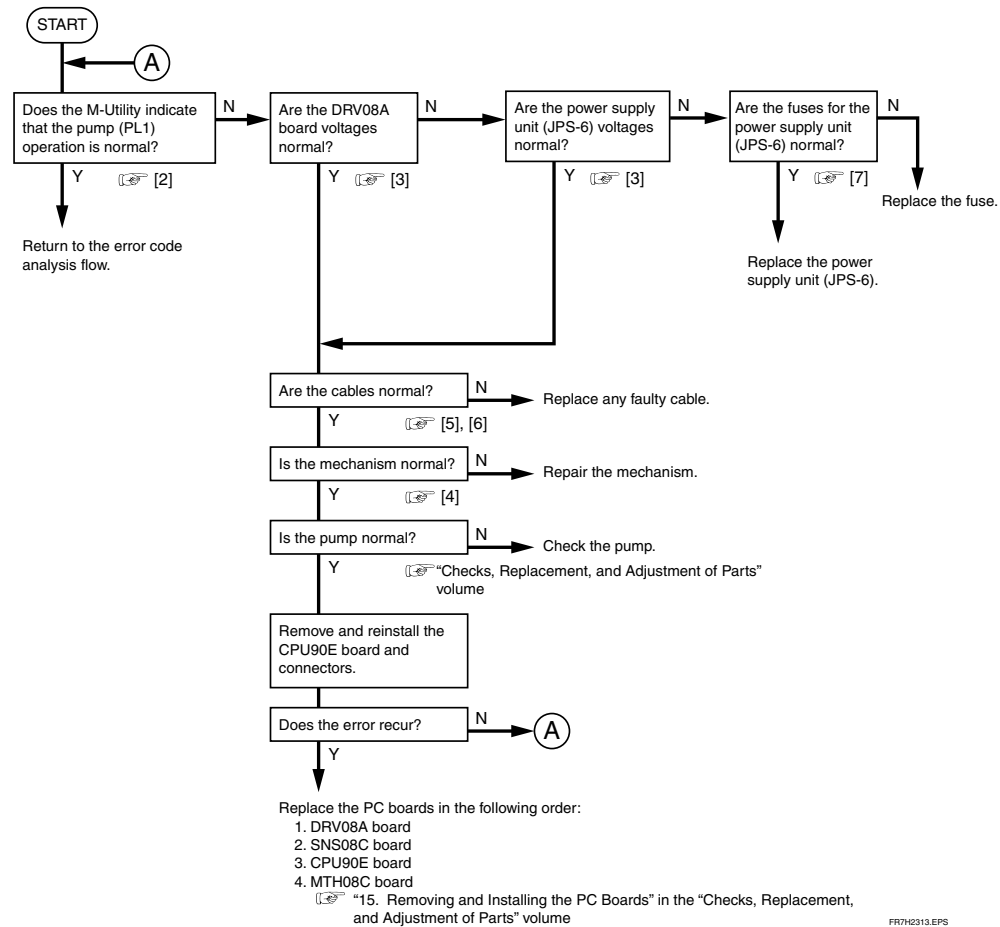
### [4] Checking the mechanism

- MZ4 replacement  
"10.14 Mirror Driving Motor (MZ4)" in the "Checks, Replacement, and Adjustment of Parts" volume



## 7.29 Checking the PL1

### [1] Analysis Flow



### [2] Checking with the M-Utility

- Turn ON the pump.
- [6] [ENT] → [3] [ENT] → [2] [ENT] → [5] [ENT]

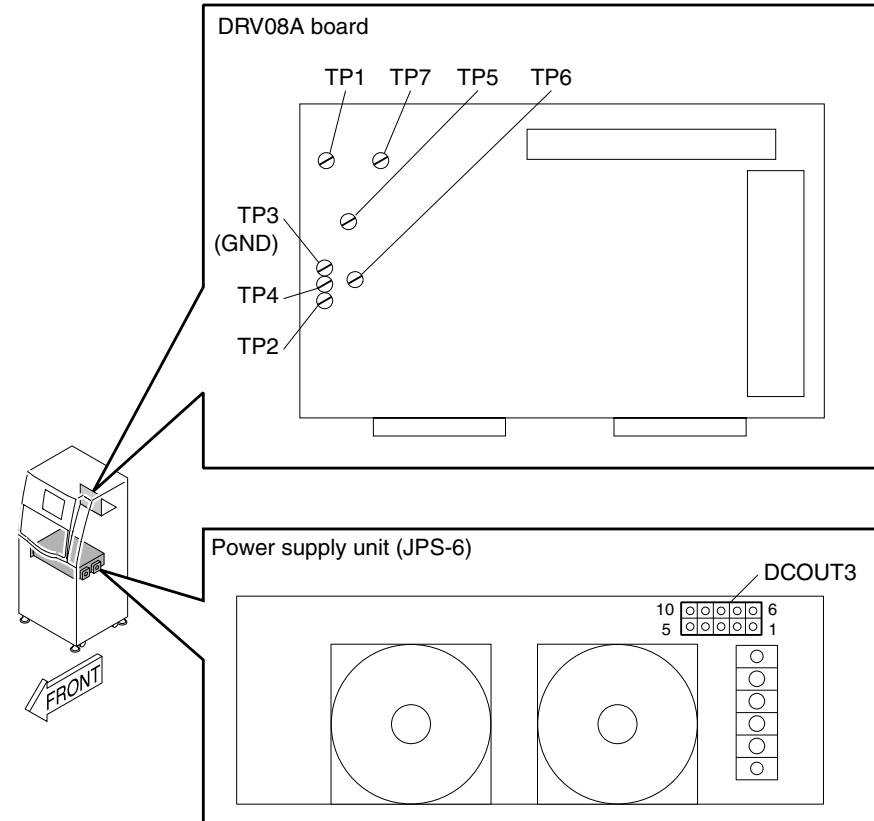
#### ◆ CHECK ◆

Check that the suction cup assembly performs a suction operation.

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+24V	22.8—25.2V	DRV08A TP4-TP3 (GND)
		JPS-6 DCOUT3 5-10
+5V	4.75—5.25V	DRV08A TP2-TP3 (GND)

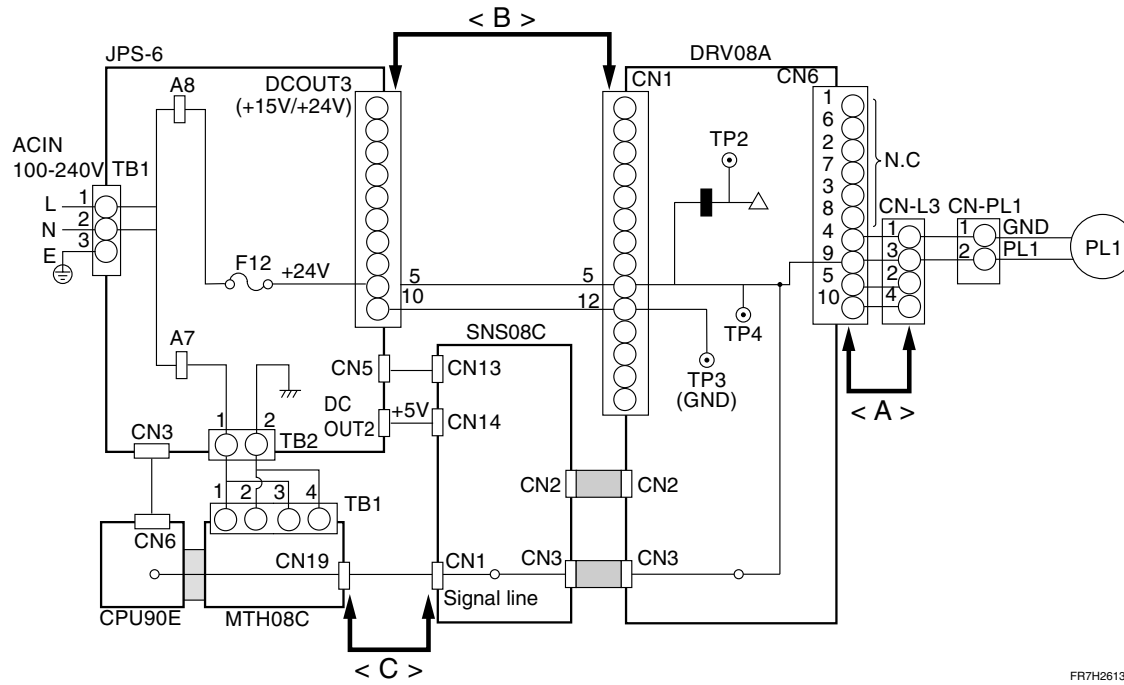
TR7H2084.EPS



### [4] Checking the mechanism

- PL1 replacement
- "5.12 IP Suction Pump (PL1)" in the "Checks, Replacement, and Adjustment of Parts" volume

## [5] Block diagram



FR7H2613.EPS

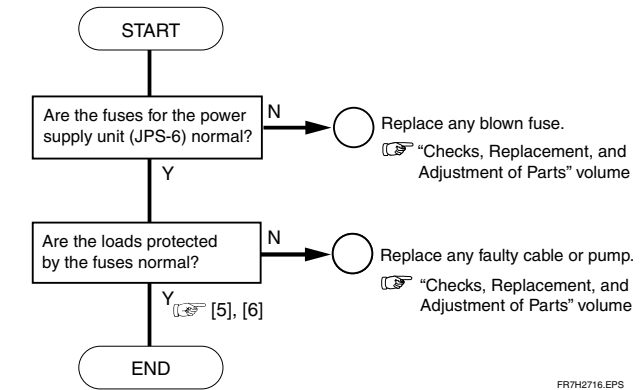
## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
 → The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
 → The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
 → The measured resistance must be 1 Ω or smaller.

## [7] Checking the fuses

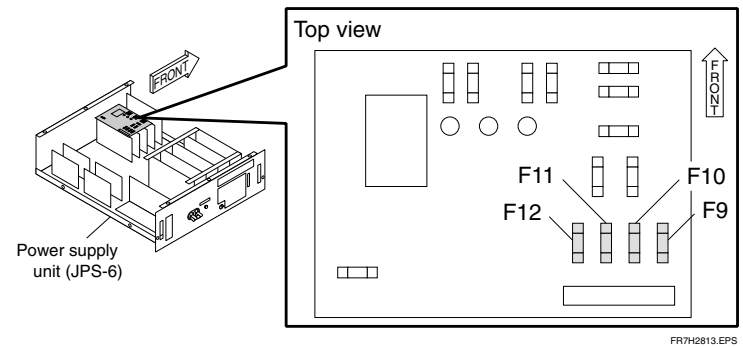
### ● Analysis Flow



FR7H2716.EPS

### ● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F12	250V (4A)	For DRV08A +24 V (DCOUT3)

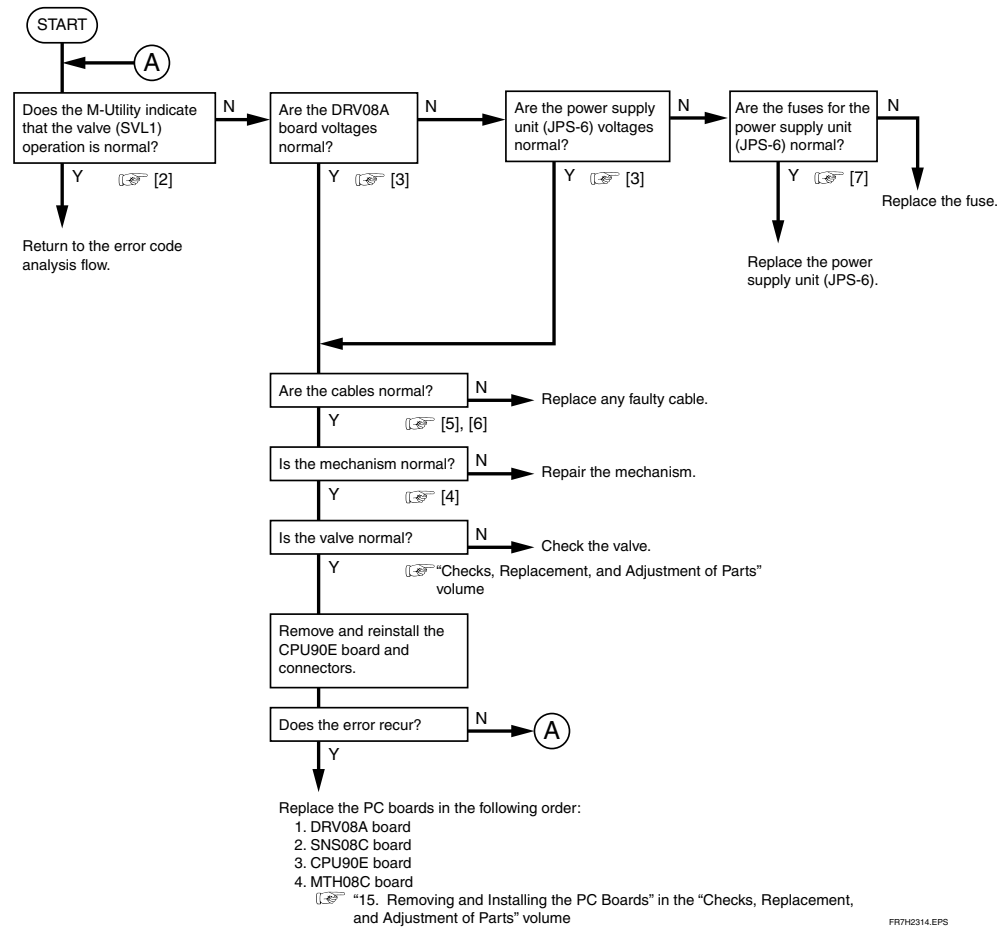


FR7H2813.EPS



## 7.30 Checking the SVL1

### [1] Analysis Flow



FR7H2314.EPS

### [2] Checking with the M-Utility

- Turn ON the pump.  
[6] [ENT] → [3] [ENT] → [2] [ENT] → [5] [ENT]

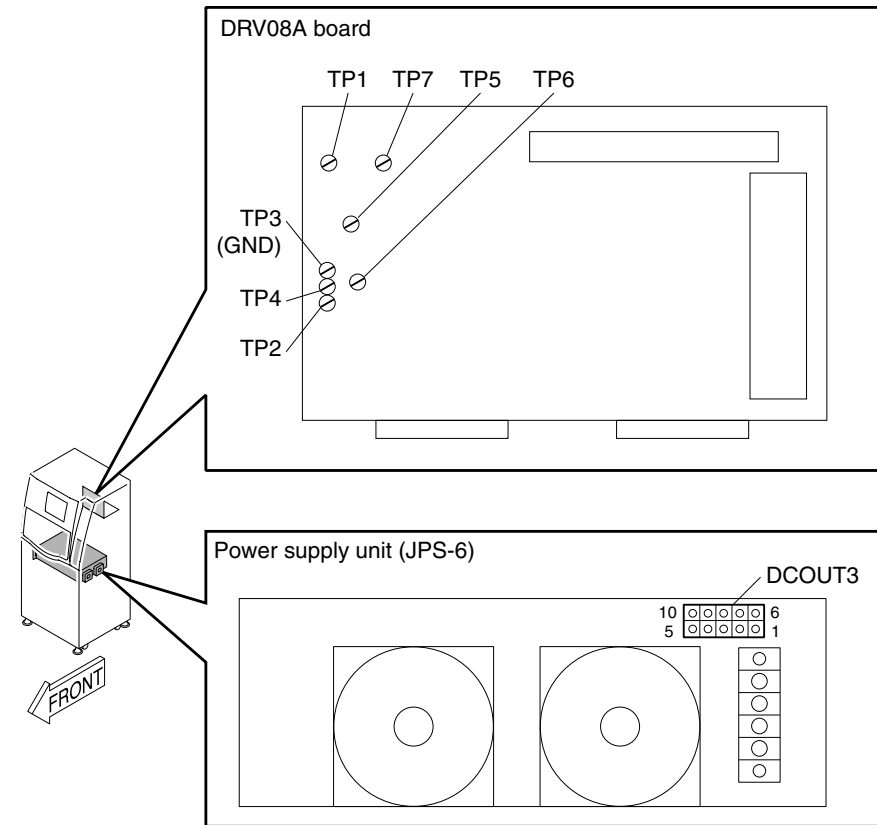
#### ◆ CHECKS ◆

- Check that the suction cup assembly performs a suction operation.  
[Leave the pump ON]
- Check that the suction cup assembly stops performing a suction operation.  
[6] [ENT]

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+24V	22.8~25.2V	DRV08A TP4-TP3 (GND)
		JPS-6 DCOUT3 5-10
+5V	4.75~5.25V	DRV08A TP2-TP3 (GND)

TR7H2085.EPS



FR7H2804.EPS

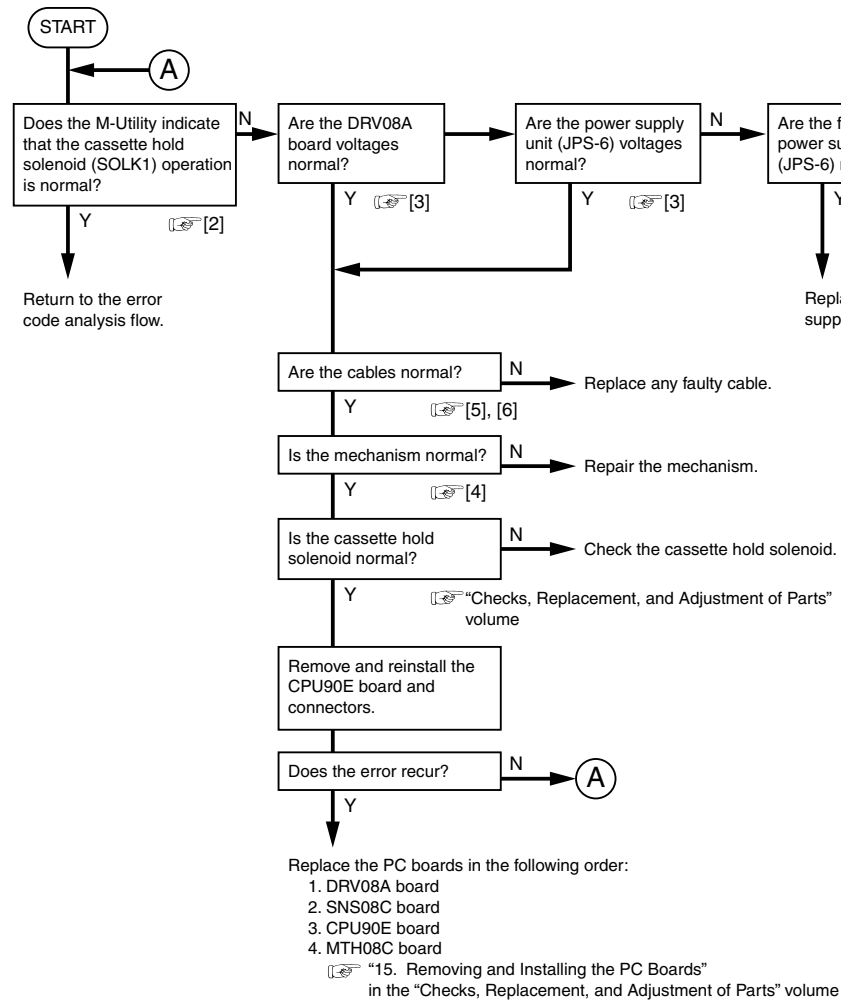
### [4] Checking the mechanism

- SVL1 replacement  
[5.2 IP leak valve (SVL1)" in the "Checks, Replacement, and Adjustment of Parts" volume]



## 7.31 Checking the SOLK1

### [1] Analysis Flow



### [2] Checking with the M-Utility

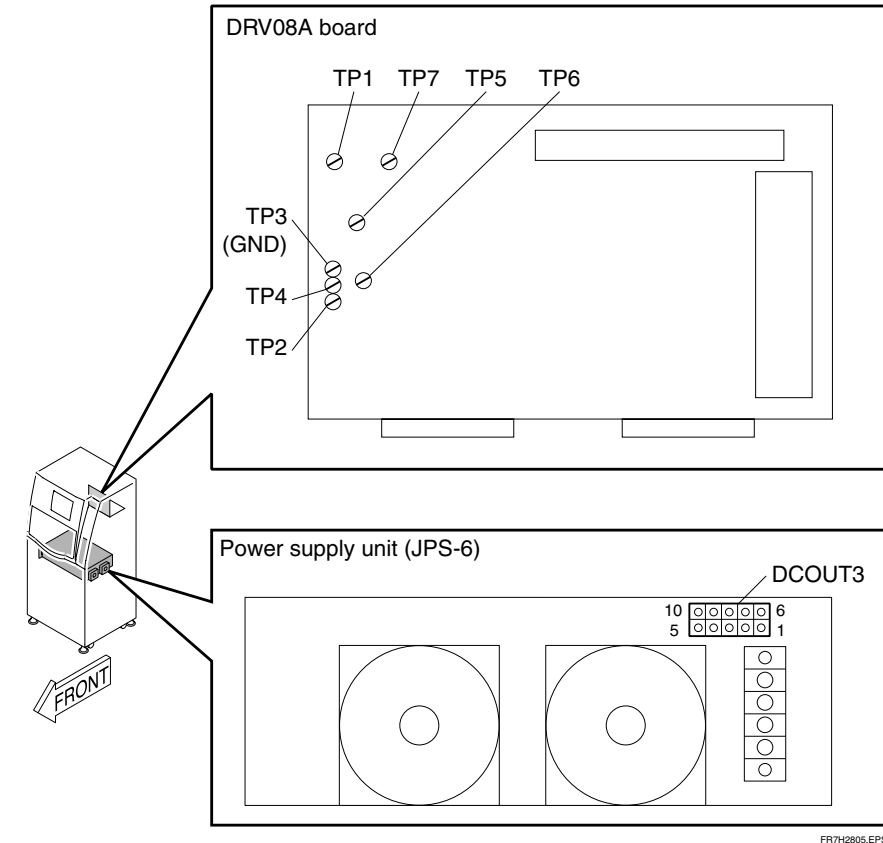
#### ◆ CHECKS ◆

- Check that the cassette hold solenoid pin performs a retraction operation.  
[6] [ENT] → [3] [ENT] → [2] [ENT] → [1] [ENT]
- Check that the cassette hold solenoid pin performs an extrusion operation.  
[6] [ENT] → [3] [ENT] → [3] [ENT] → [1] [ENT]

### [3] Checking the voltage

Voltage	Standard value	Measurement point
+24V	22.8–25.2V	DRV08A TP5-TP3 (GND) JPS-6 DCOU3 3-8
+5V	4.75–5.25V	DRV08A TP2-TP3 (GND)

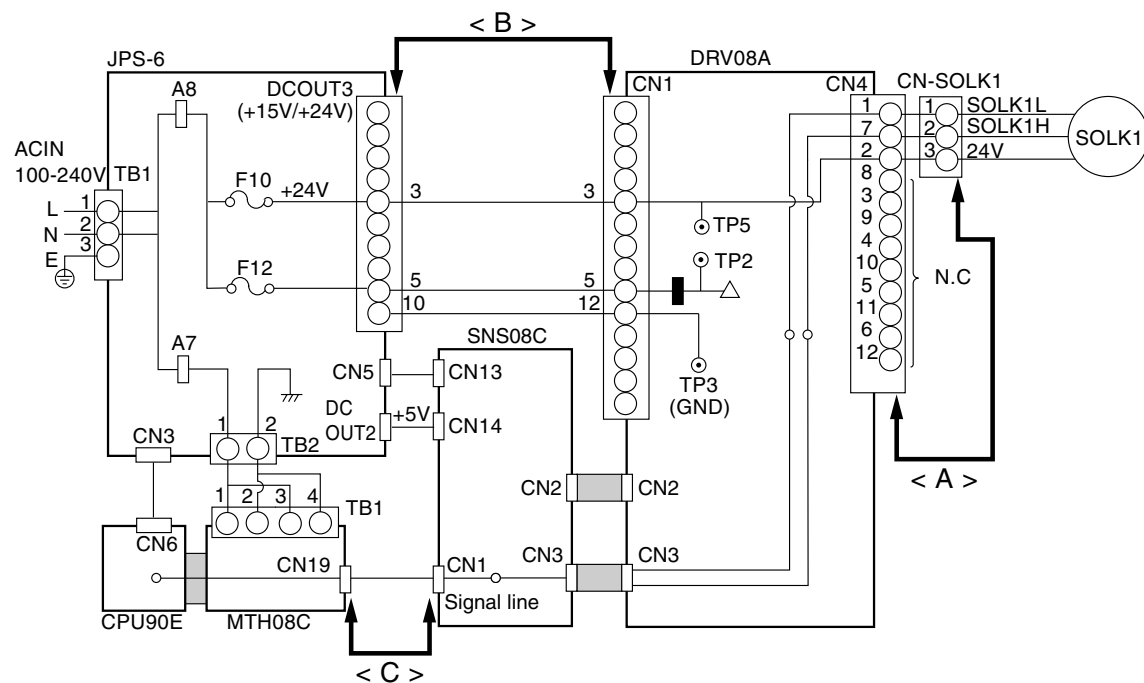
TR7H2086.EPS



### [4] Checking the mechanism

- SOLK1 replacement  
[4.6] "4.6 Cassette Hold Solenoid (SOLK1)" in the "Checks, Replacement, and Adjustment of Parts" volume

**[5] Block diagram**



△ : For PC board operation

■ : Regulator (+24V→+5V)

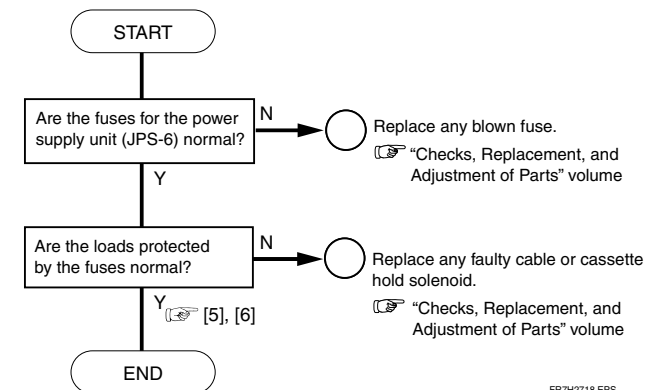
## [6] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be  $2\ \Omega$  or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be  $2\ \Omega$  or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be  $1\ \Omega$  or smaller.

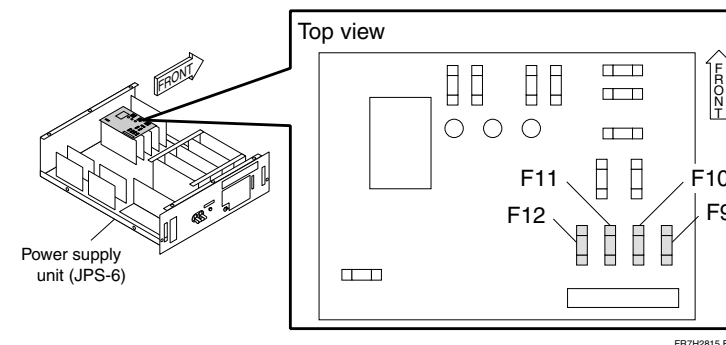
### [7] Checking the fuse

## ● Analysis Flow



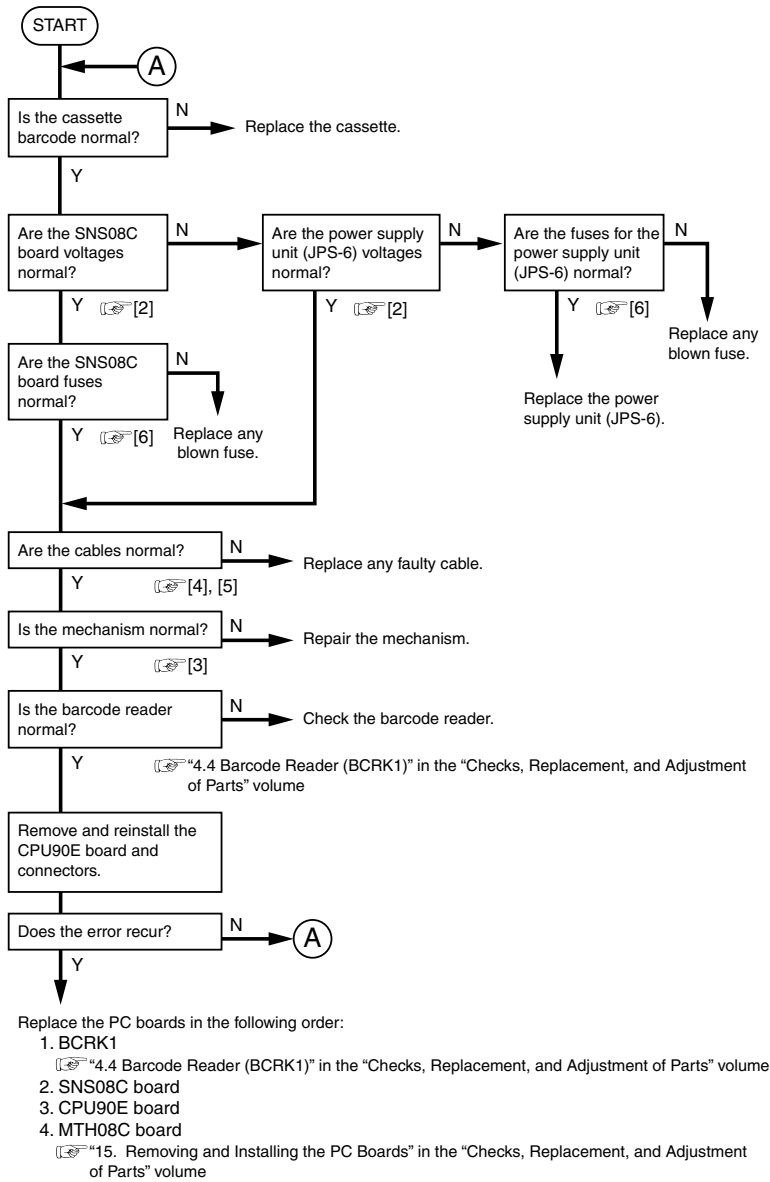
● **Power Supply Unit (JPS-6)**

Name	Rated voltage (rated current)	Remarks
F10	250V (4A)	For DRV08A +24 V (DCOUT3)
F12	250V (4A)	For DRV08A +24 V (DCOUT3)



### 7.32 Checking the BCRK1

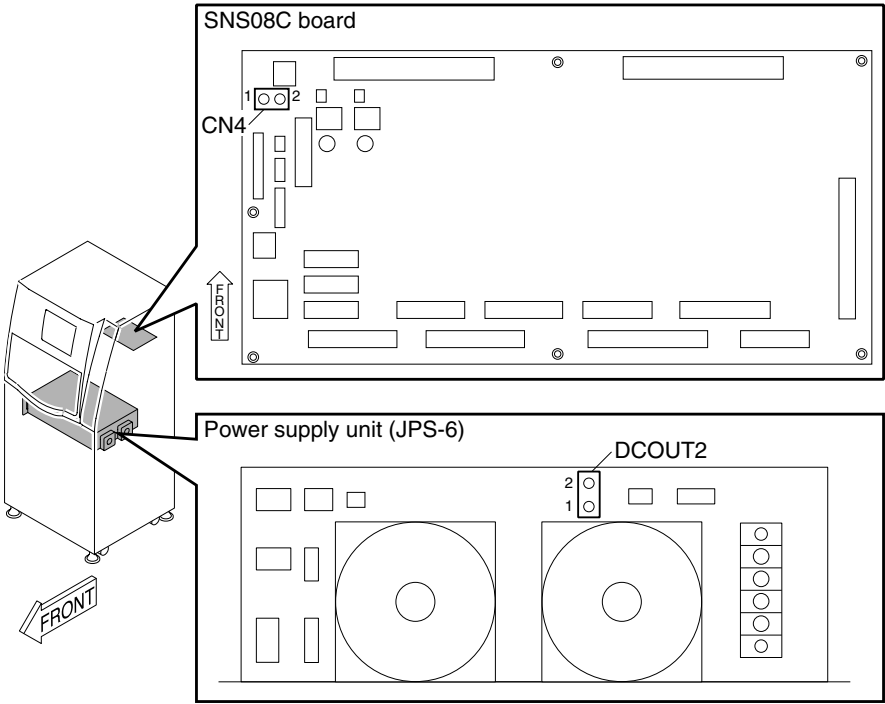
#### [1] Analysis Flow



#### [2] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

TR7H2133.EPS

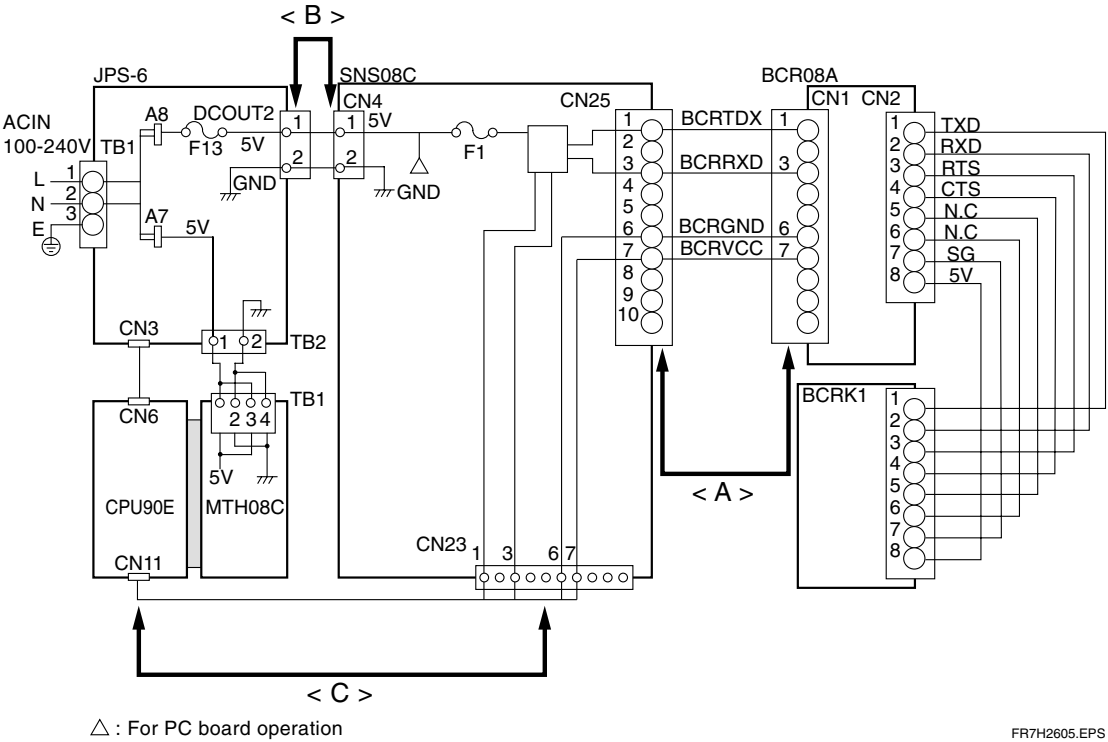


FR7H2821.EPS

#### [3] Checking the mechanism

- BCRK1 replacement  
☞ "4.4 Barcode Reader (BCRK1)" in the "Checks, Replacement, and Adjustment of Parts" volume

[4] Block diagram



FR7H2605.EPS

[5] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

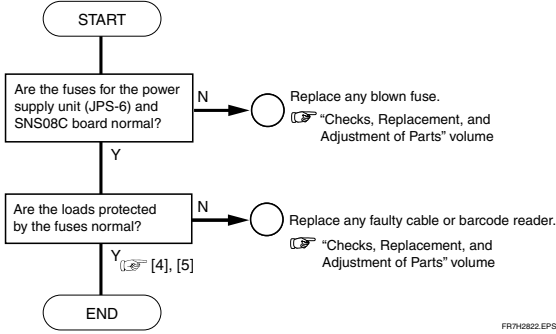
1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

[7] List of compatible board (113Y7070)

BCR08A (Side-positioning conveyor barcode reader)

[6] Checking the fuse

● Analysis Flow

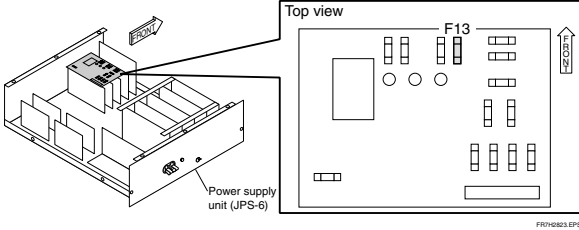


FR7H2822.EPS

● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F13	250V (5A)	For SNC08C +5 V (DCOUT2)

TR7H2134.EPS

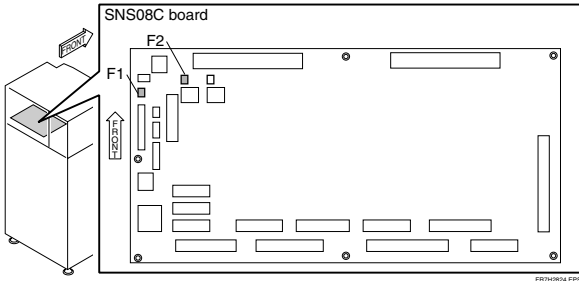


FR7H2823.EPS

● SNS08C board

Name	Rated voltage (rated current)	Remarks
F1	125V (5A)	---

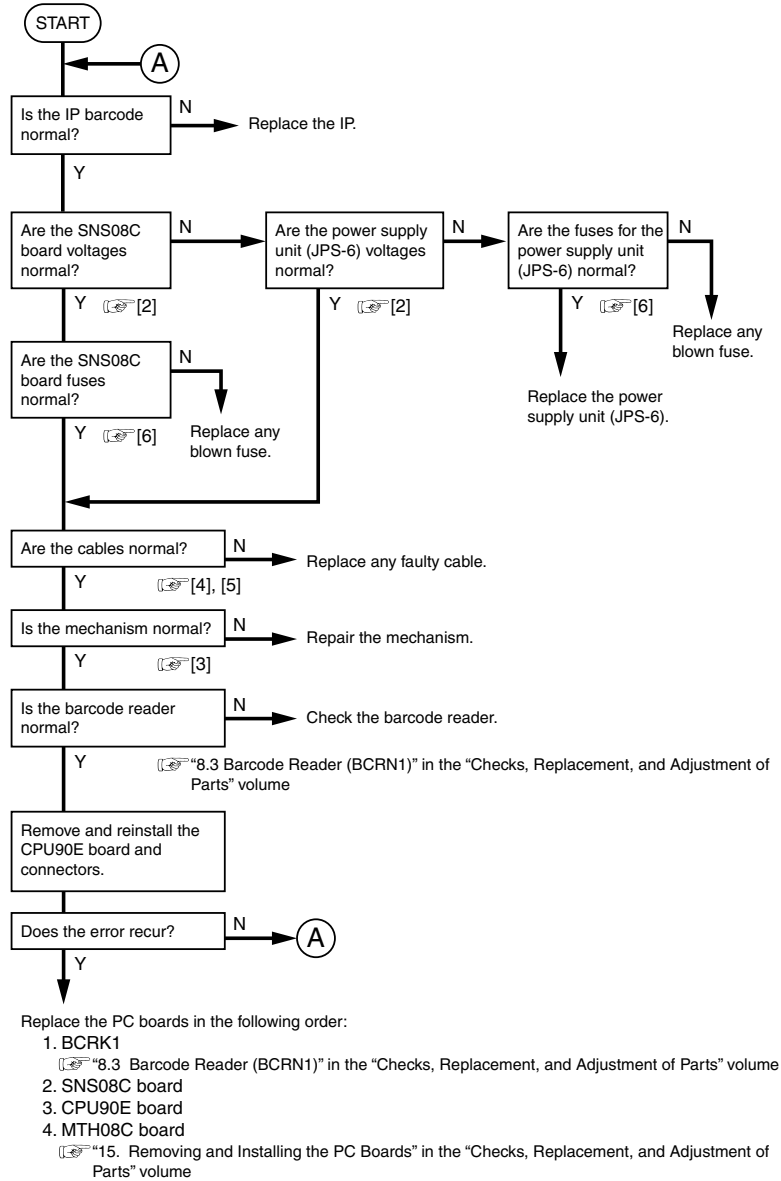
TR7H2135.EPS



FR7H2824.EPS

### 7.33 Checking the BCRN1

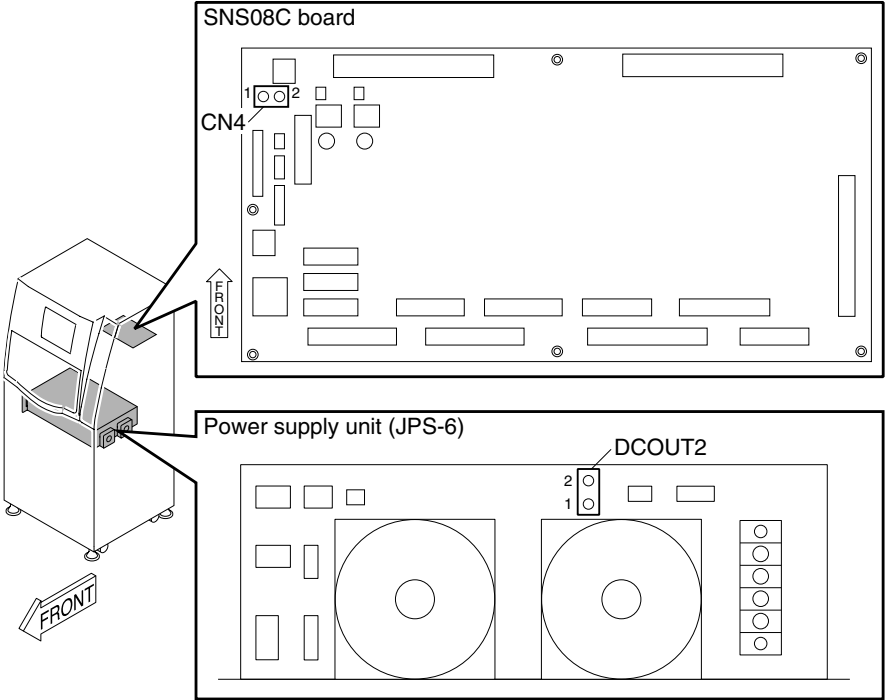
#### [1] Analysis Flow



#### [2] Checking the voltage

Voltage	Standard value	Measurement point
+5V	4.75—5.25V	SNS08C CN4 1-2
		JPS-6 DCOUT2 1-2

TR7H2136.EPS

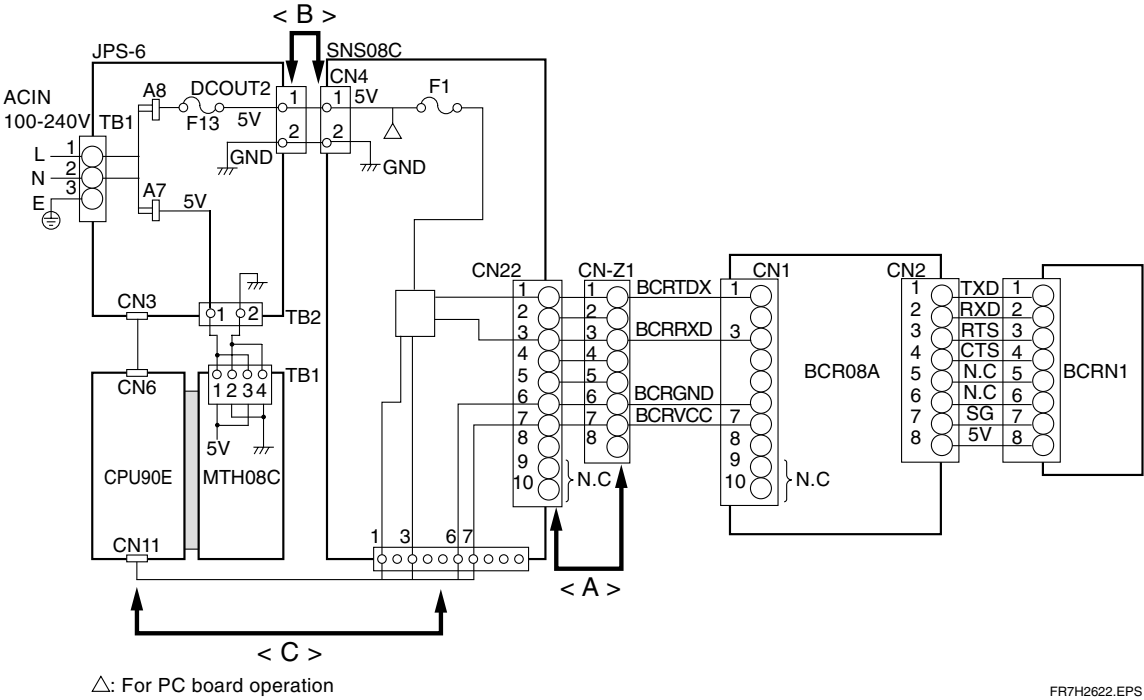


FR7H2825.EPS

#### [3] Checking the mechanism

- BCRN1 replacement  
☞ "8.3 Barcode Reader (BCRN1)" in the "Checks, Replacement, and Adjustment of Parts" volume

[4] Block diagram



FR7H2622.EPS

[5] Checking the cables

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

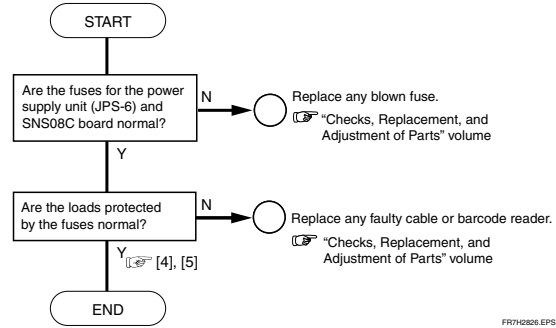
1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

[7] List of compatible board (113Y7070)

BCR08A (Side-positioning conveyor barcode reader)

[6] Checking the fuse

● Analysis Flow

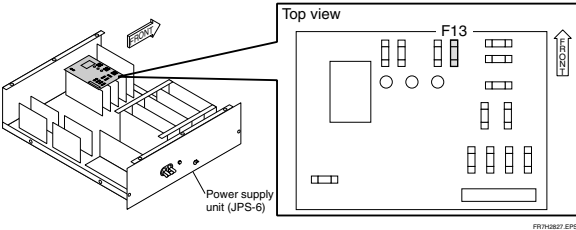


FR7H2626.EPS

● Power Supply Unit (JPS-6)

Name	Rated voltage (rated current)	Remarks
F13	250V (5A)	For SNC08C +5 V (DCOUT2)

TR7H2137.EPS

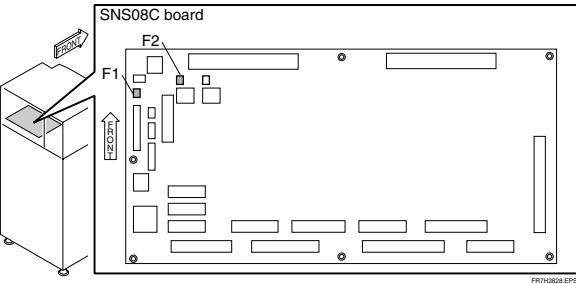


FR7H2627.EPS

● SNS08C board

Name	Rated voltage (rated current)	Remarks
F1	125V (5A)	---

TR7H2138.EPS

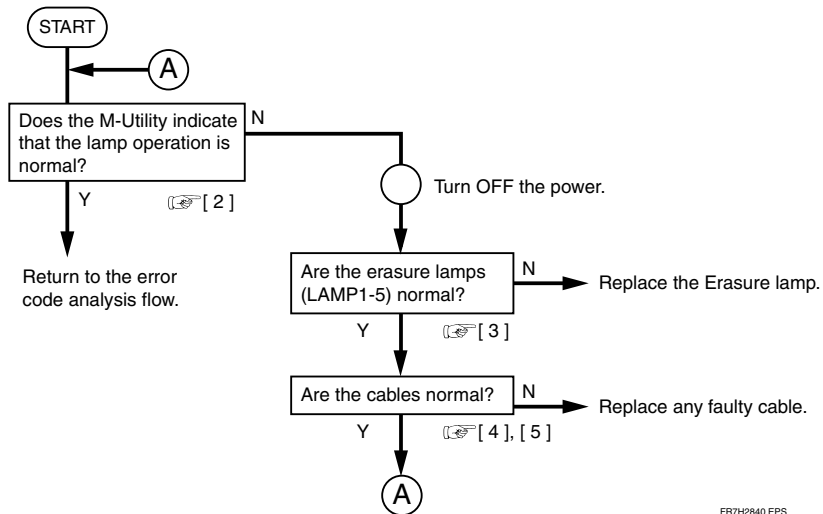


FR7H2628.EPS



## 7.34 Checking the Erasure Lamps (LAMP1-LAMP5)

### [1] Analysis Flow



### [2] Checking with the M-Utility

- Test the erasure lamp.  
[4] [ENT] → [1] [ENT]  
[GOOD result indication]  
RESULT  
LAMP X: OK
- [NG result indication]  
RESULT  
LAMP X: ERROR

#### ◇ REFERENCE ◇

"X" in LAMP X denotes the number of the lamp.

### [3] Checking the Erasure Lamps



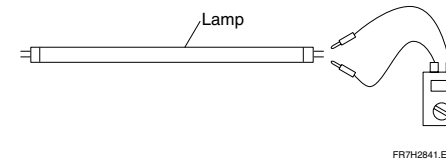
#### CAUTIONS

- When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Turning ON the machine with a cover removed causes photomultiplier damage.
- Since the erasure lamp may be heated to a high temperature, exercise care not to suffer burns.

- (1) Turn OFF the power.
- (2) Remove the erasure lamp assembly.  
☞ "12.1 Removing and Reinstalling Erasure Lamp Assembly" in the "Checks, Replaement, and Adjustment of Parts" volume
- (3) Remove the bracket.
- (4) Remove the five erasure lamps.
- (5) Measure the resistance between the erasure lamp electrodes.

Reference value:  $2 \pm 0.5 \Omega$

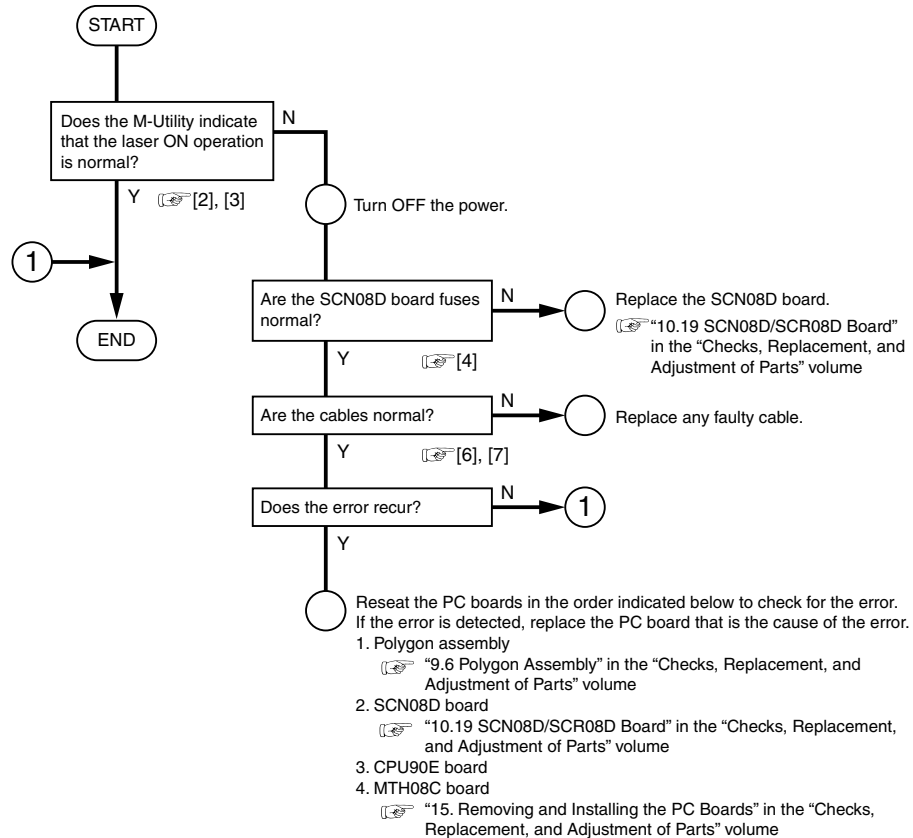
If the measured resistance is outside the above reference value range, perform the erasure lamp replacement procedure set forth below.





## 7.35 Checking the Polygon (POL)

### [1] Analysis Flow



FR7H2351.EPS

### [2] Checking with the M-Utility

#### ◆ CHECK ◆

Confirm the displayed M-Utility diagnostic check result and LED indication.

- Turn ON the polygon.  
[5] [ENT] → [2] [ENT] → [2] [ENT]
  - Turn ON the laser.  
[0] [ENT] → [3] [ENT] → [2] [ENT]
- [GOOD result indication]

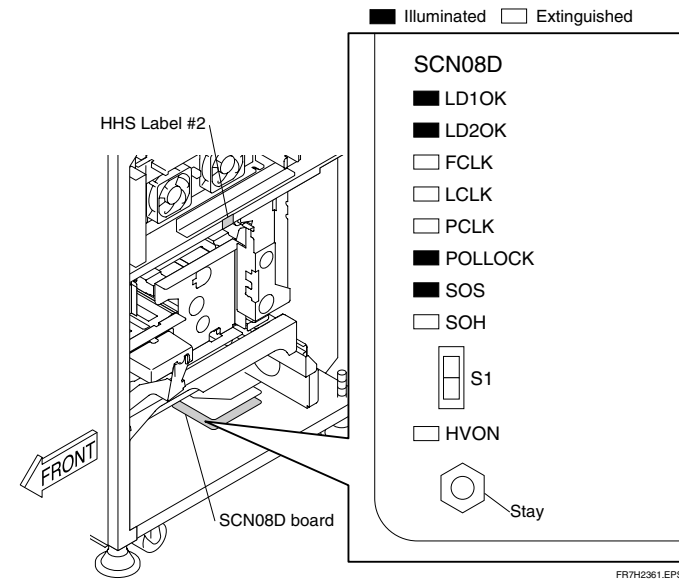
• RESULT - OK

[NG result indication]

- RESULT - LASER POWER INSUFFICIENT → The laser power is insufficient.
- RESULT - LASER POWER ERROR → The laser power is abnormal.

### [3] LED indication

[GOOD result indication]

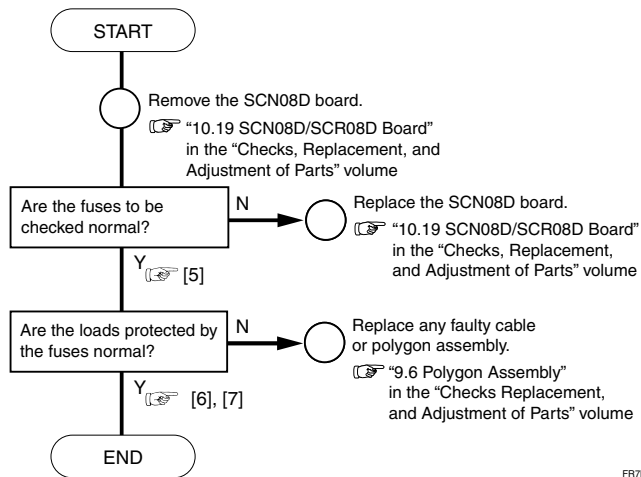


FR7H2361.EPS

[NG result indication]

An LED indication other than the GOOD result indication

## [4] Checking the SCN08D board fuses

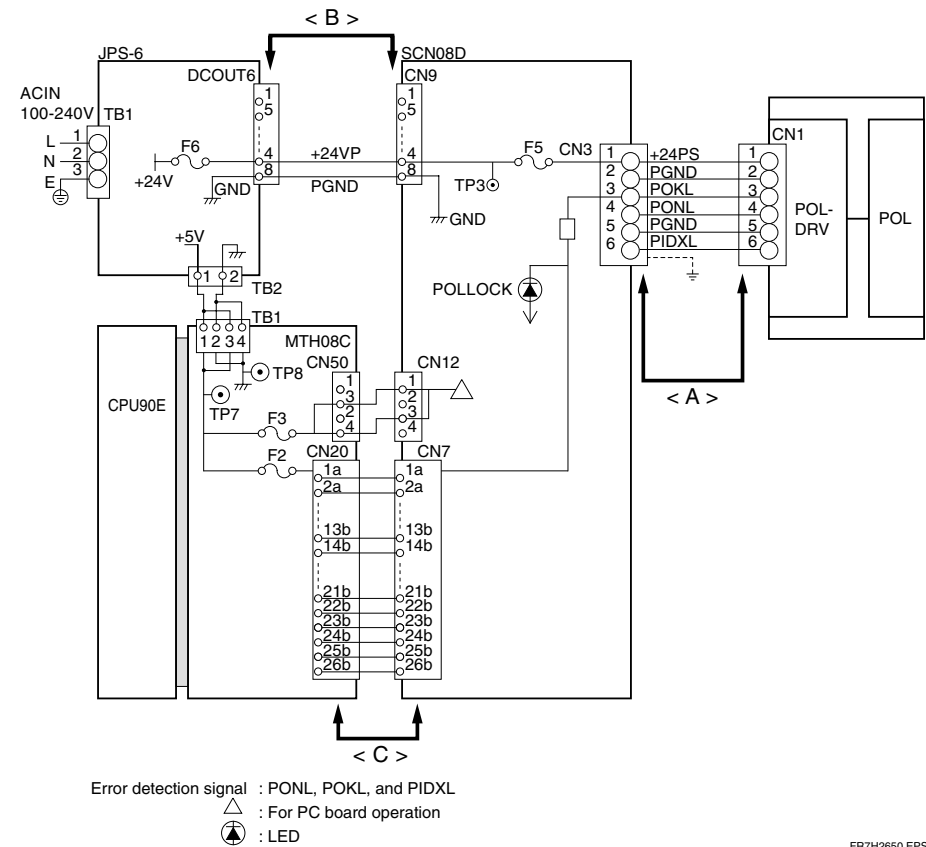


FR7H2366.EPS

## [5] Fuses to be checked

- Power supply unit (JPS-6): F6
- SCN08D board: F5
- MTH08C board: F2 and F3

## [6] Block diagram



FR7H2650.EPS

## [7] Checking the cables

## ◆ CHECKS ◆

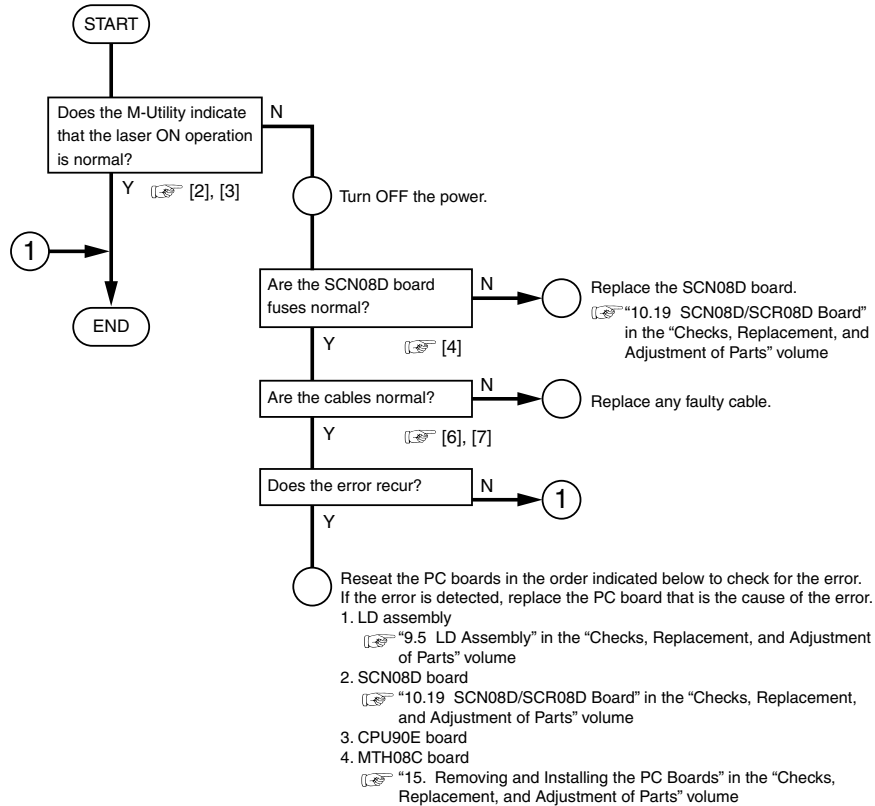
- Make sure that the power is OFF.
- For power supply checkout purposes, check paths <B> and <C> that are indicated in the block diagram.

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

## 7.36 Checking the Laser (LDD)

### [1] Analysis Flow



FR7H2362.EPS

### [2] Checking with the M-Utility

#### ◆ CHECK ◆

Confirm the displayed M-Utility diagnostic check result and LED indication.

- Turn ON the polygon.  
[5] [ENT] → [2] [ENT] → [2] [ENT]

- Turn ON the laser.  
[0] [ENT] → [3] [ENT] → [2] [ENT]

[GOOD result indication]

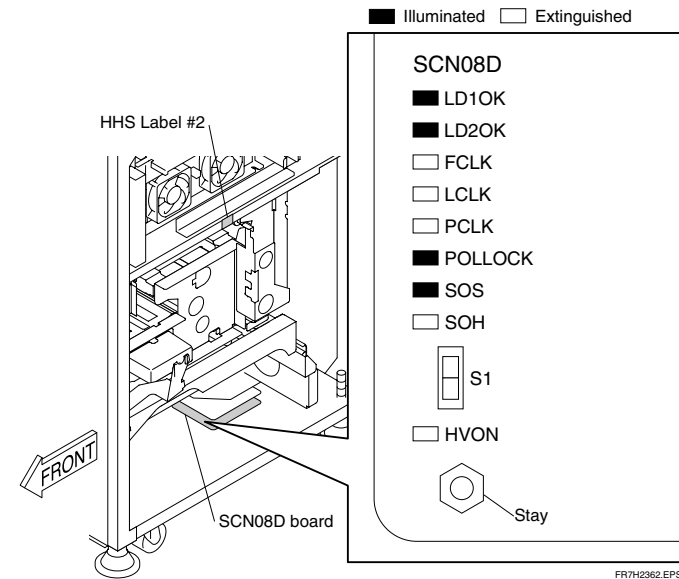
- RESULT - OK

[NG result indication]

- RESULT - LASER POWER INSUFFICIENT → The laser power is insufficient.
- RESULT - LASER POWER ERROR → The laser power is abnormal.

### [3] LED indication

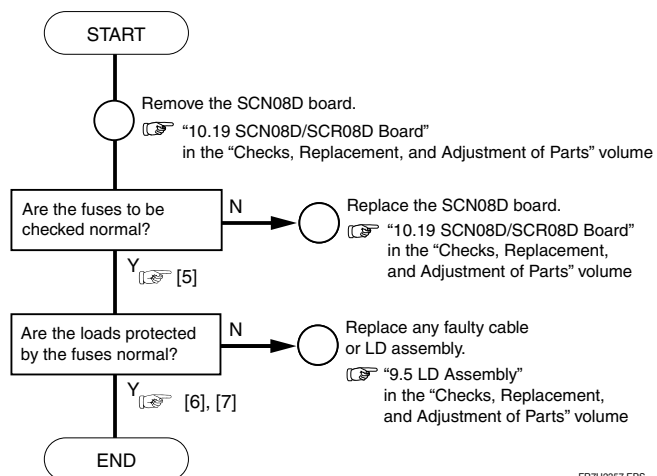
[GOOD result indication]



[NG result indication]

An LED indication other than the GOOD result indication

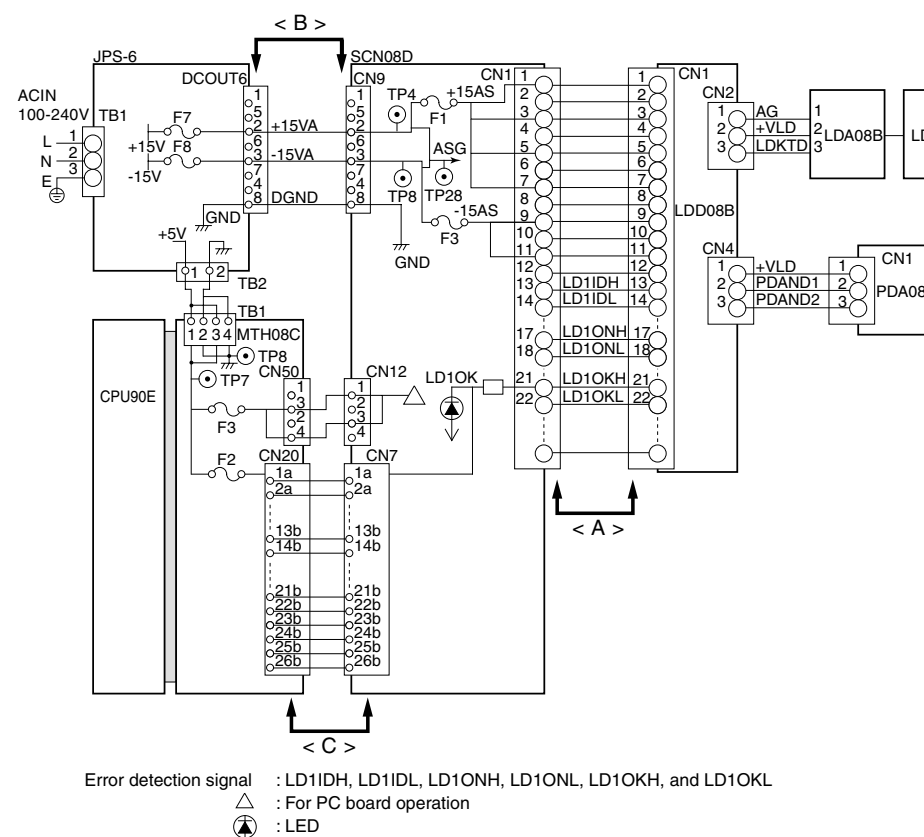
#### [4] Checking the SCN08D board fuses



### [5] Fuses to be checked

- Power supply unit (JPS-6): F7 and F8
- SCN08D board: F1 and F3
- MTH08C board: F2 and F3

**[6] Block diagram**



## [7] Checking the cables

◆ **NOTES** ◆

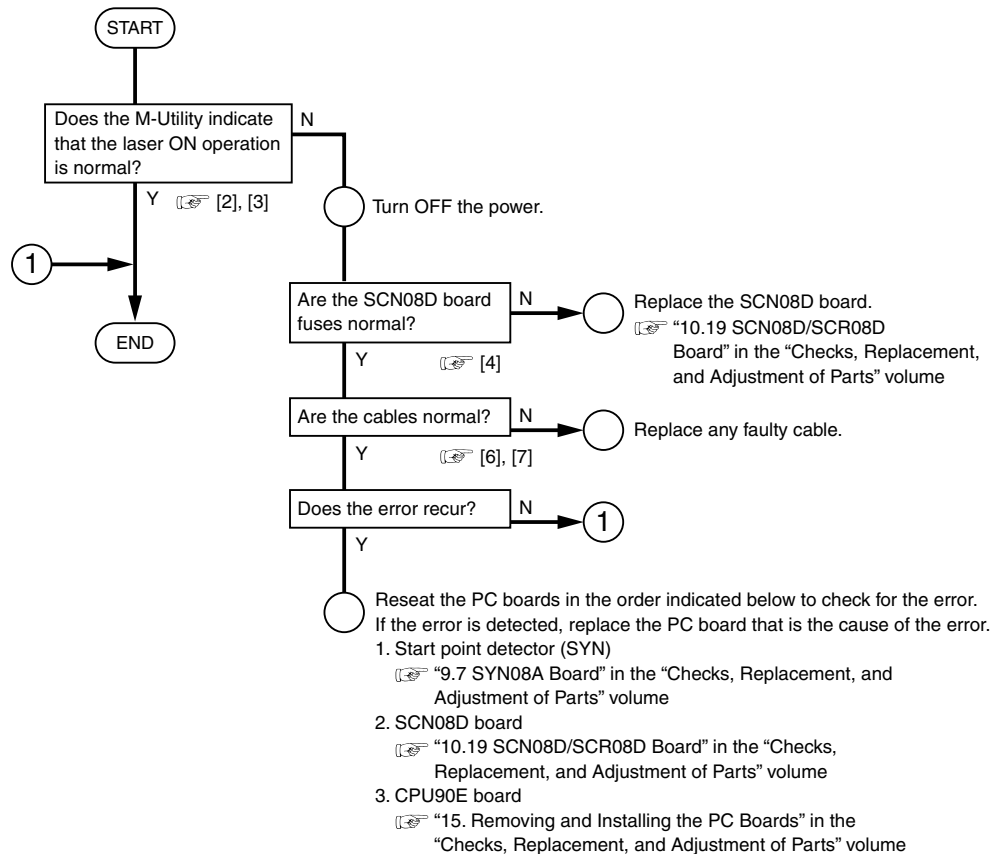
- Make sure that the power is OFF.
- For power supply checkout purposes, check paths <B> and <C> that are indicated in the block diagram.

Run the following checks on paths <A>, <B>, and <C> that are indicated in the block diagram:

1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be  $2\ \Omega$  or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be  $2\ \Omega$  or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be  $1\ \Omega$  or smaller.

## 7.37 Checking the Start Point Detector (SYN)

### [1] Analysis Flow



### [2] Checking with the M-Utility

#### ◆ CHECK ◆

Confirm the displayed M-Utility diagnostic check result and LED indication.

- Turn ON the polygon.  
[5] [ENT] → [2] [ENT] → [2] [ENT]
- Turn ON the laser.  
[0] [ENT] → [3] [ENT] → [2] [ENT]

[GOOD result indication]

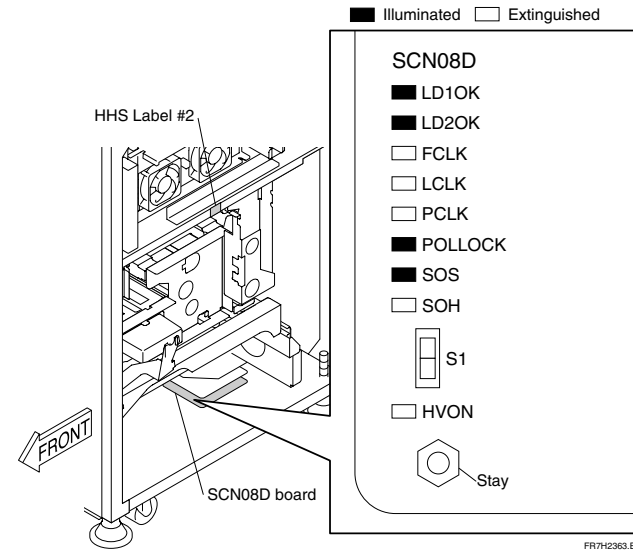
- RESULT - OK

[NG result indication]

- RESULT - LASER POWER INSUFFICIENT → The laser power is insufficient.
- RESULT - LASER POWER ERROR → The laser power is abnormal.

### [3] LED indication

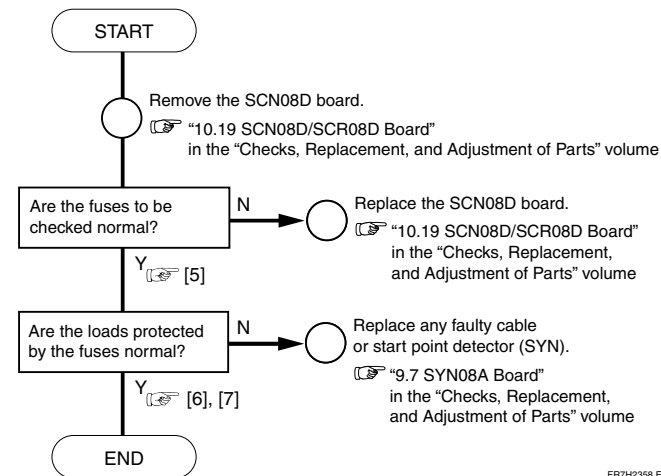
[GOOD result indication]



[NG result indication]

An LED indication other than the GOOD result indication

### [4] Checking the SCN08D board fuses

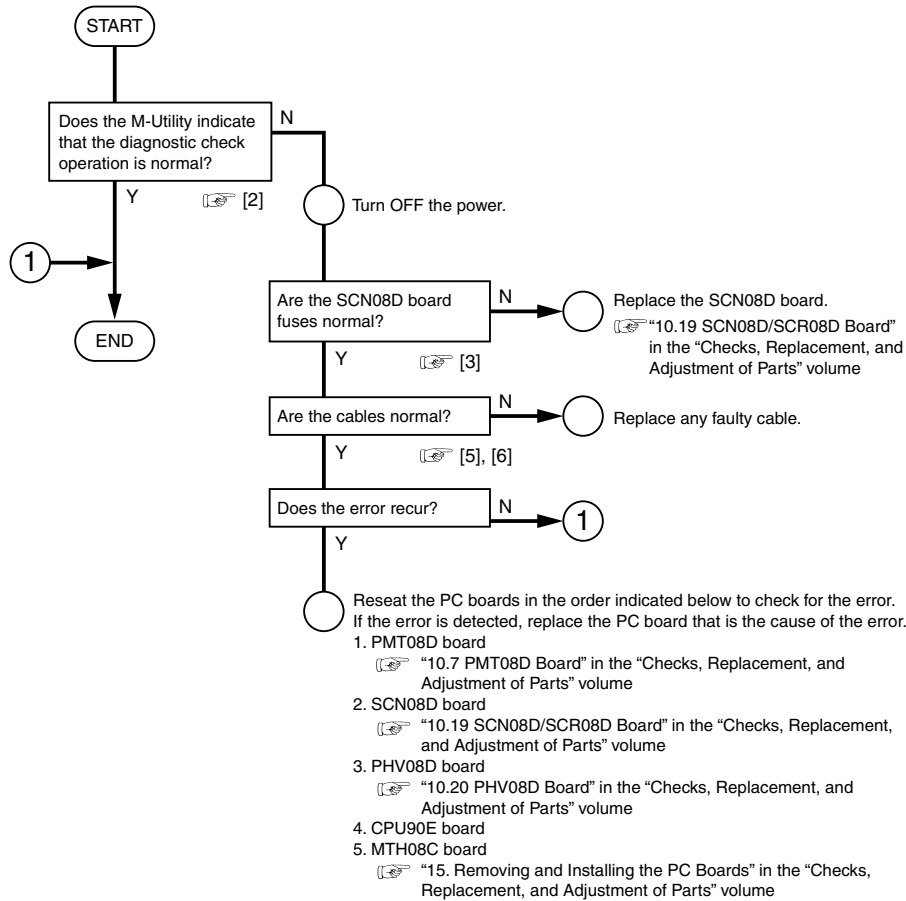






## 7.38 Checking the Photomultiplier (PMT08D)

### [1] Analysis Flow



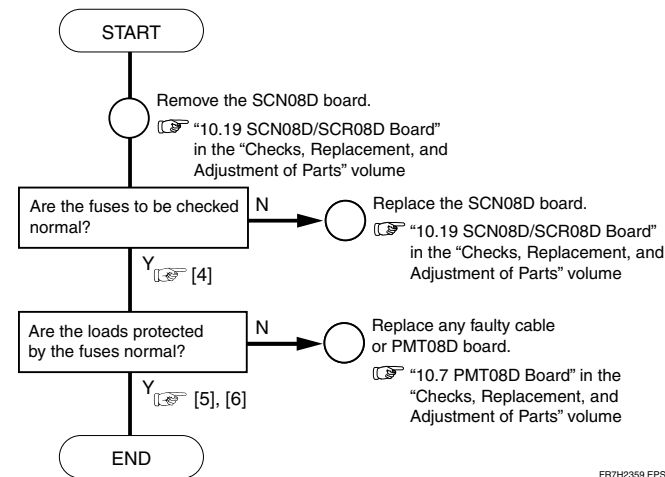
### [2] Checking with the M-Utility

#### ◆ CHECK ◆

Confirm the displayed M-Utility diagnostic check result.

- Execute the scanner self-diagnostic check function.
  - [5] [ENT] → [9] [ENT]
  - [GOOD result indication]
    - RESULT - OK
  - [NG result indication]
    - RESULT - START POINT DETECTION ERROR → A start-point detection error occurred.
    - RESULT - EDGE DETECTION ERROR → A leading-edge detection error occurred.
    - RESULT - HV ERROR → The high-voltage power supply is faulty.
    - RESULT - ANALOG POWER SUPPLY ERROR → The analog power supply is faulty.
    - RESULT - POLYGON MIRROR ERROR → The polygon is faulty.
    - RESULT - LASER POWER ERROR → The laser power is abnormal.
    - RESULT - LASER POWER INSUFFICIENT → The laser power is insufficient.

### [3] Checking the SCN08D board fuses



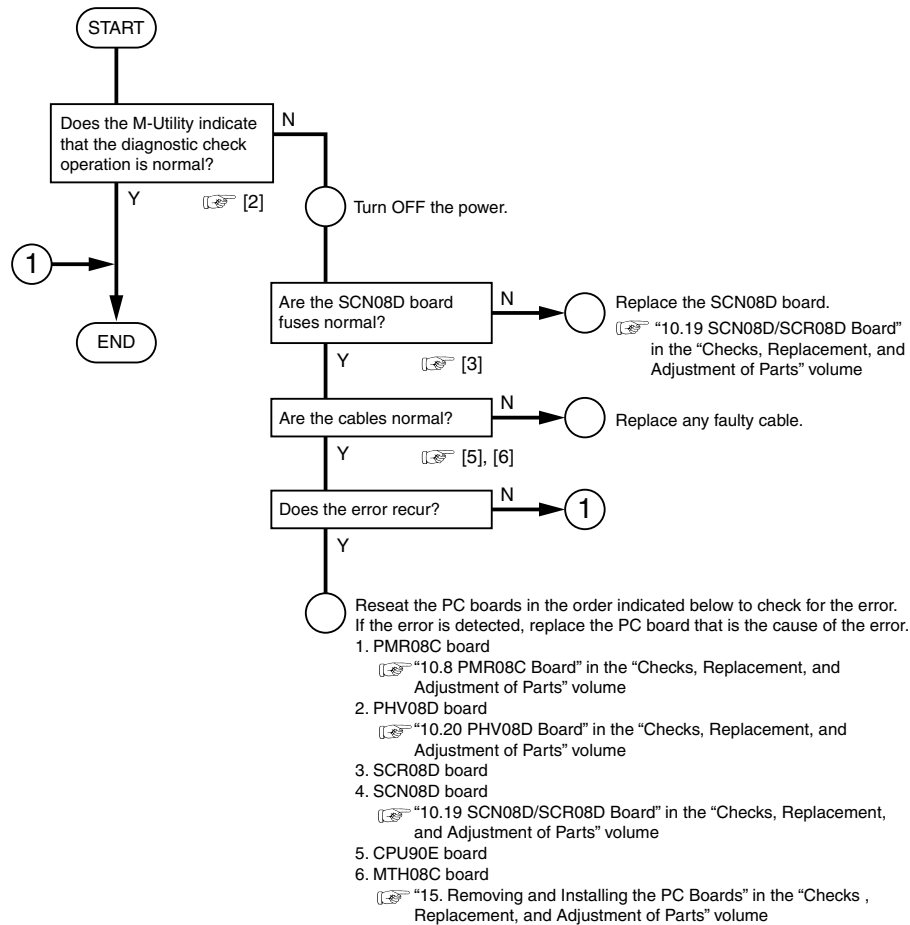
### [4] Fuses to be checked

- Power supply unit (JPS-6): F7, F8, and F14
- SCN08D board: F2 and F4
- MTH08C board: F2 and F3



## 7.39 Checking the Photomultiplier (PMR08C)

### [1] Analysis Flow



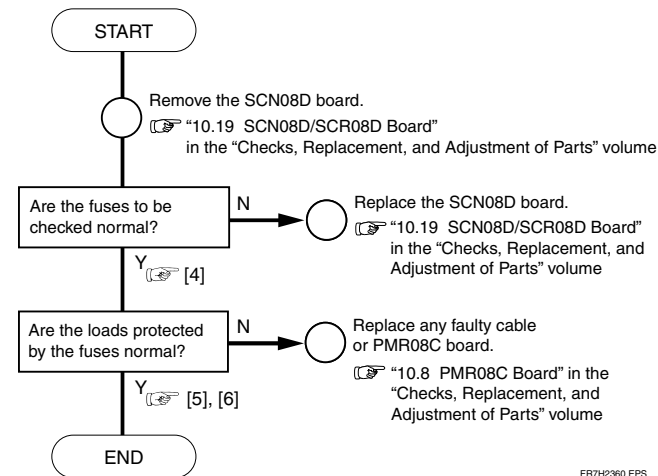
### [2] Checking with the M-Utility

#### ◆ CHECK ◆

Confirm the displayed M-Utility diagnostic check result.

- Execute the scanner self-diagnostic check function.
  - [5] [ENT] → [9] [ENT]
  - [GOOD result indication]
    - RESULT - OK
  - [NG result indication]
    - RESULT - START POINT DETECTION ERROR → A start-point detection error occurred.
    - RESULT - EDGE DETECTION ERROR → A leading-edge detection error occurred.
    - RESULT - HV ERROR → The high-voltage power supply is faulty.
    - RESULT - ANALOG POWER SUPPLY ERROR → The analog power supply is faulty.
    - RESULT - POLYGON MIRROR ERROR → The polygon is faulty.
    - RESULT - LASER POWER ERROR → The laser power is abnormal.
    - RESULT - LASER POWER INSUFFICIENT → The laser power is insufficient.

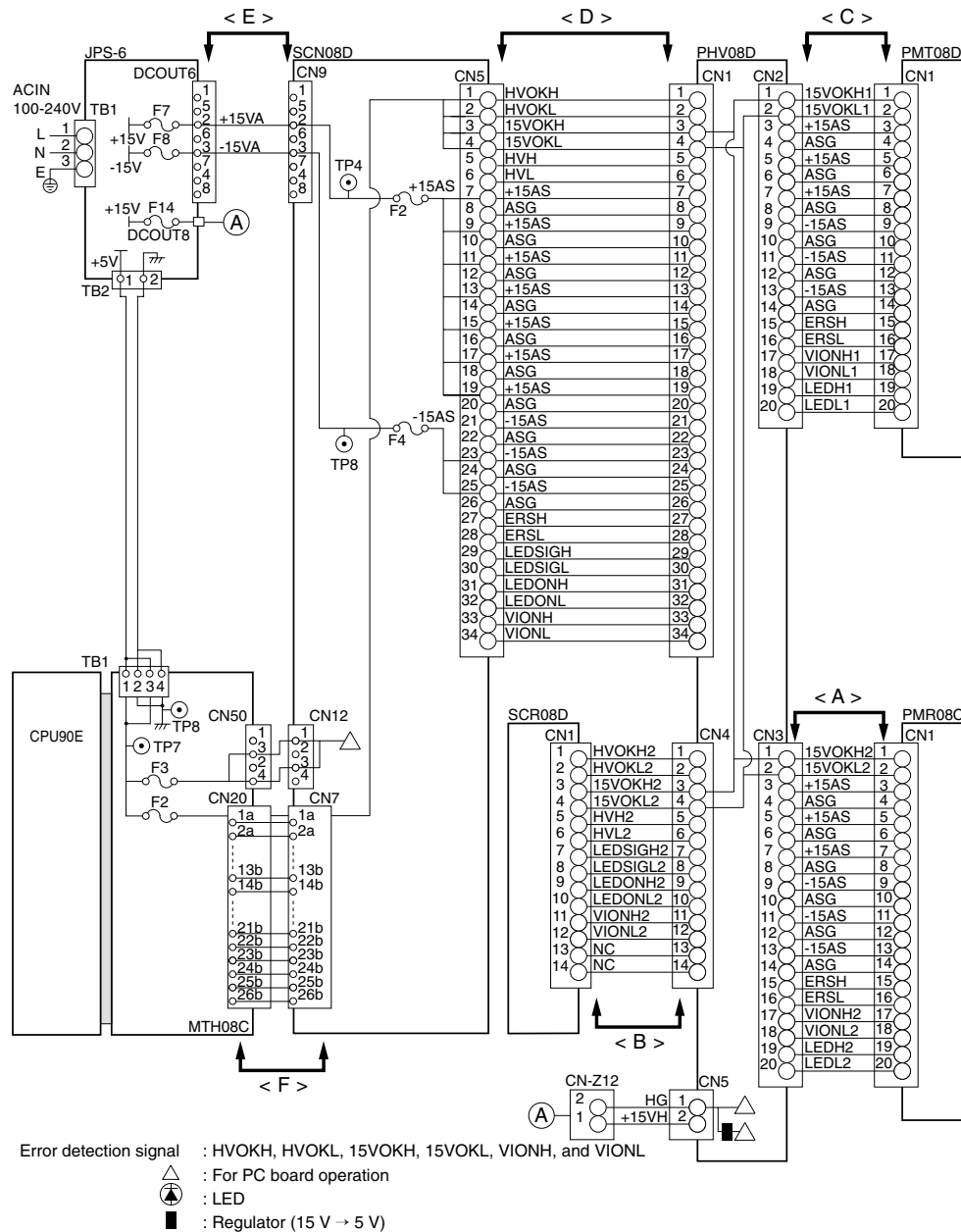
### [3] Checking the SCN08D board fuses



### [4] Fuses to be checked

- Power supply unit (JPS-6): F7, F8, and F14
- SCN08D board: F2 and F4
- MTH08C board: F2 and F3

## [5] Block diagram



## [6] Checking the cables

## ◆ NOTES ◆

- Make sure that the power is OFF.
- For power supply checkout purposes, check paths <E> and <F> that are indicated in the block diagram.

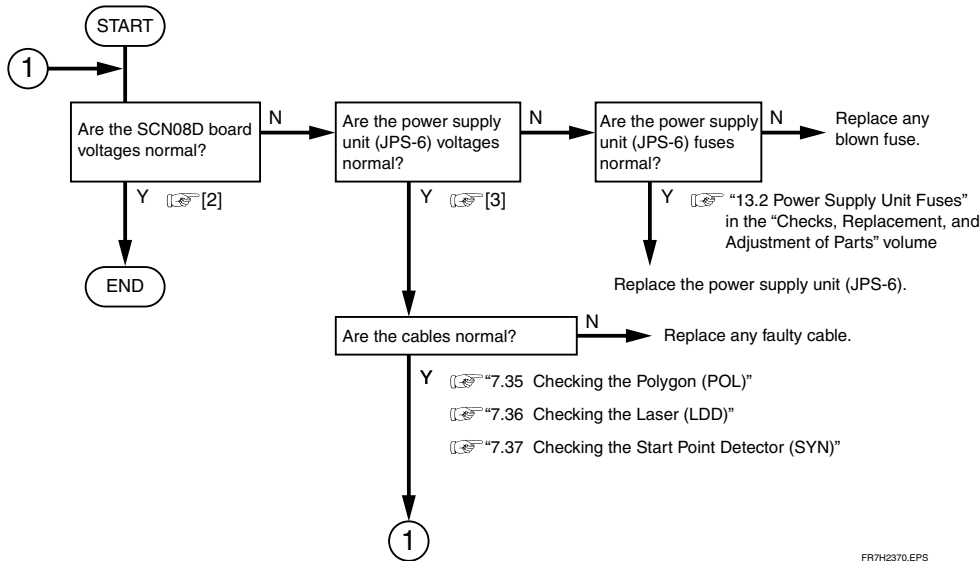
Run the following checks on paths <A>, <B>, <C>, <D>, <E>, and <F> that are indicated in the block diagram:

1. Check that the connectors are properly connected.
2. Check for a short circuit between various pins and GND terminal.  
→ The measured resistance must be 2 Ω or greater.
3. Check for a short circuit between various pins.  
→ The measured resistance must be 2 Ω or greater.
4. Check for continuity between various pins.  
→ The measured resistance must be 1 Ω or smaller.

FR7H2366.EPS

## 7.40 Checking the Voltages

### [1] Analysis Flow



FR7H2370.EPS

### [2] Checking the SCN08D board fuses



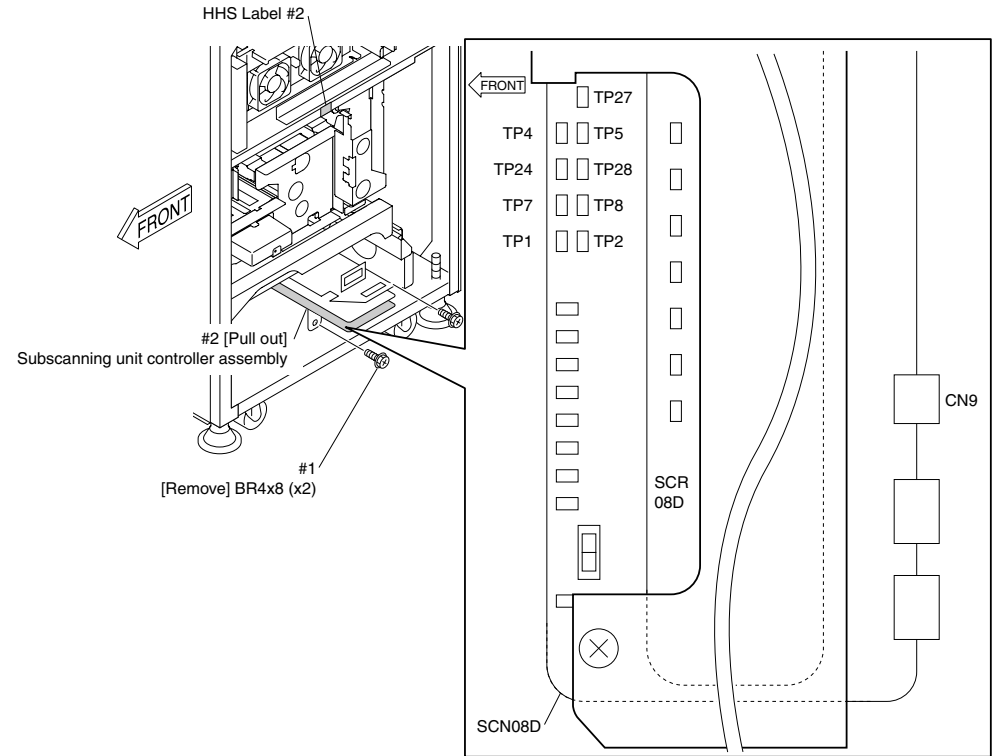
#### CAUTION

When turning ON the power with a cover removed, ensure that the high-voltage switch is OFF. Removing a cover with the machine turned ON causes photomultiplier damage.

#### ◆ NOTES ◆

- When making voltage measurements, use clips.
- When measuring voltages, exercise care not to cause a short circuit with the GND terminal.

- (1) Turn OFF the power.
- (2) Remove the following covers:
  - Lower front cover
  - Lower right-hand side cover
  - Right-hand inner cover
- (3) Turn OFF the high-voltage switch (S1) on the SCN08D board.
- (4) Pull out the subscanning unit controller assembly.



FR7H2371.EPS

Measurement location	Standard value	Target parts
TP1 (VCC) – TP2 (GND)	4.75 – 5.25V	SZ1 (SED) and start point detector (SYN)
TP4 (+15AS) – TP28 (ASG)	14.25 – 15.75V	Laser (LDD), start point detector (SYN), PMT08D board, and PMR08C board
TP8 (-15AS) – TP28 (ASG)	-15.75 – -14.25V	Laser (LDD), start point detector (SYN), PMT08D board, and PMR08C board

Measurement location	Standard value	Target parts
SCN08D CN9 1-5	4.75 – 5.25V	SZ1 (SED) and start point detector (SYN)
SCN08D CN9 2-6	14.25 – 15.75V	Laser (LDD), start point detector (SYN), PMT08D board, and PMR08C board
SCN08D CN9 3-7	-15.75 – -14.25V	Laser (LDD), start point detector (SYN), PMT08D board, and PMR08C board
SCN08D CN9 4-8	22.8 – 25.2V	Polygon (POL)

TR7H2070.EPS

[3] Checking the power supply unit voltages



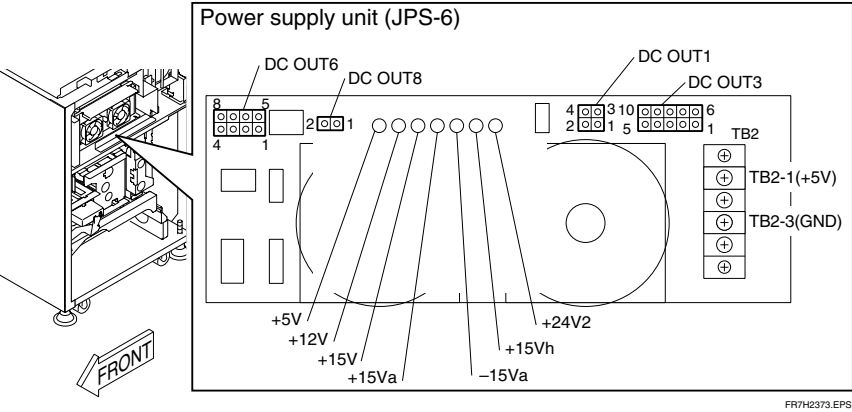
**WARNING**

- To avoid electrical shock hazards from high voltage, observe the following precautions:
- Do not touch the power supply terminals.
  - When making voltage measurements, do not touch the probes (metal portions) of the employed tester.

Make voltage measurements at the following locations. If any measured voltage is outside the standard value range, rotate the associated voltage adjustment trimmer to make adjustments.

Measurement location	Standard value	Voltage adjustment trimmer
JPS-6	DC OUT8 1-2	14.5 – 15.5V
	DC OUT1 1-3	12.0 – 12.6V
	DC OUT3 1-6	14.5 – 15.5V
	DC OUT3 4-9	23.0 – 25.0V
	DC OUT6 2-6	14.5 – 15.5V
	DC OUT6 3-7	-14.5 – -15.5V
	TB2 1-3	5.1 – 5.3V

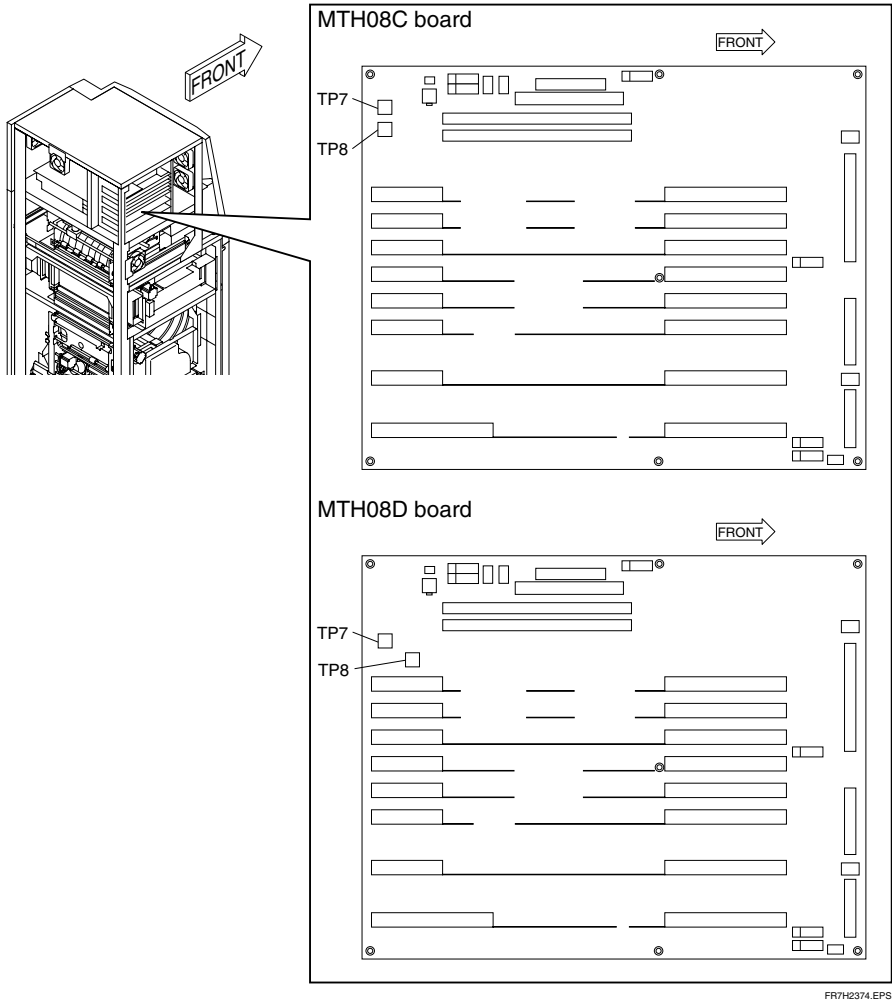
TR7H2072.EPS



FR7H2373.EPS

Measurement location	Standard value	Voltage adjustment trimmer
MTH08C/D TP7-TP8	5.00 – 5.10V	+5V

TR7H2073.EPS

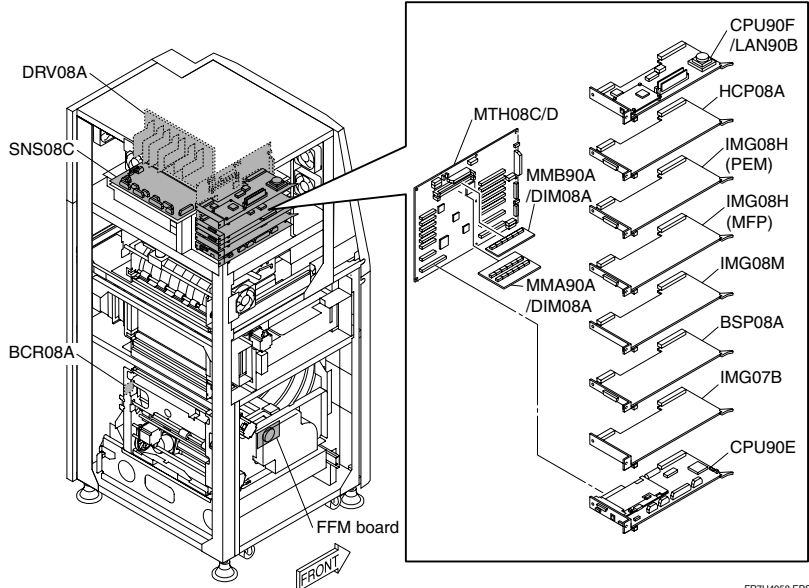
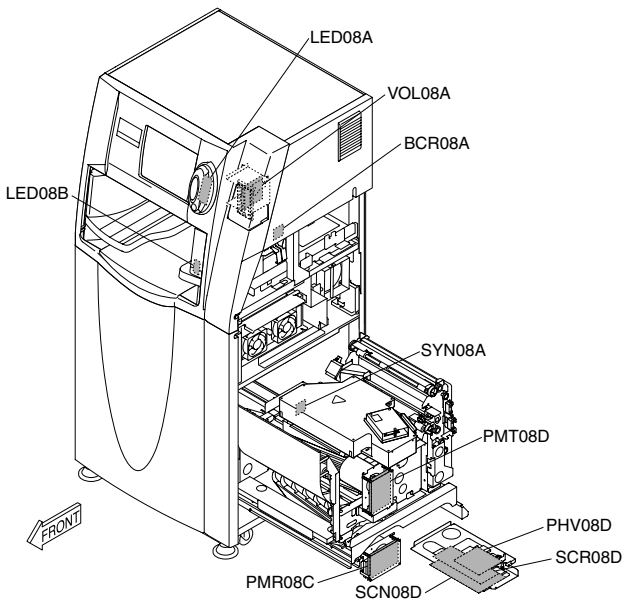
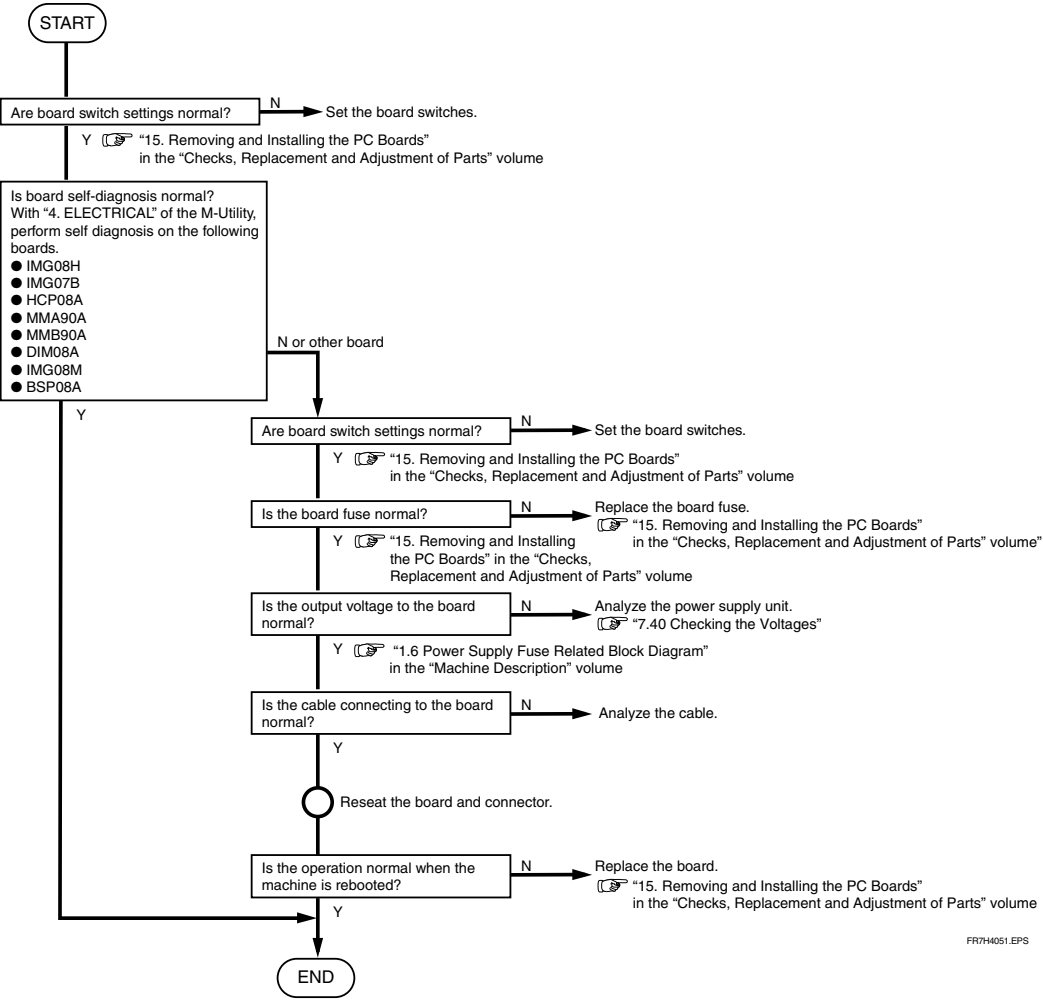


FR7H2374.EPS

# 7.41 Checking the Boards

## [2] Board Arrangement Diagram

### [1] Analysis Flow

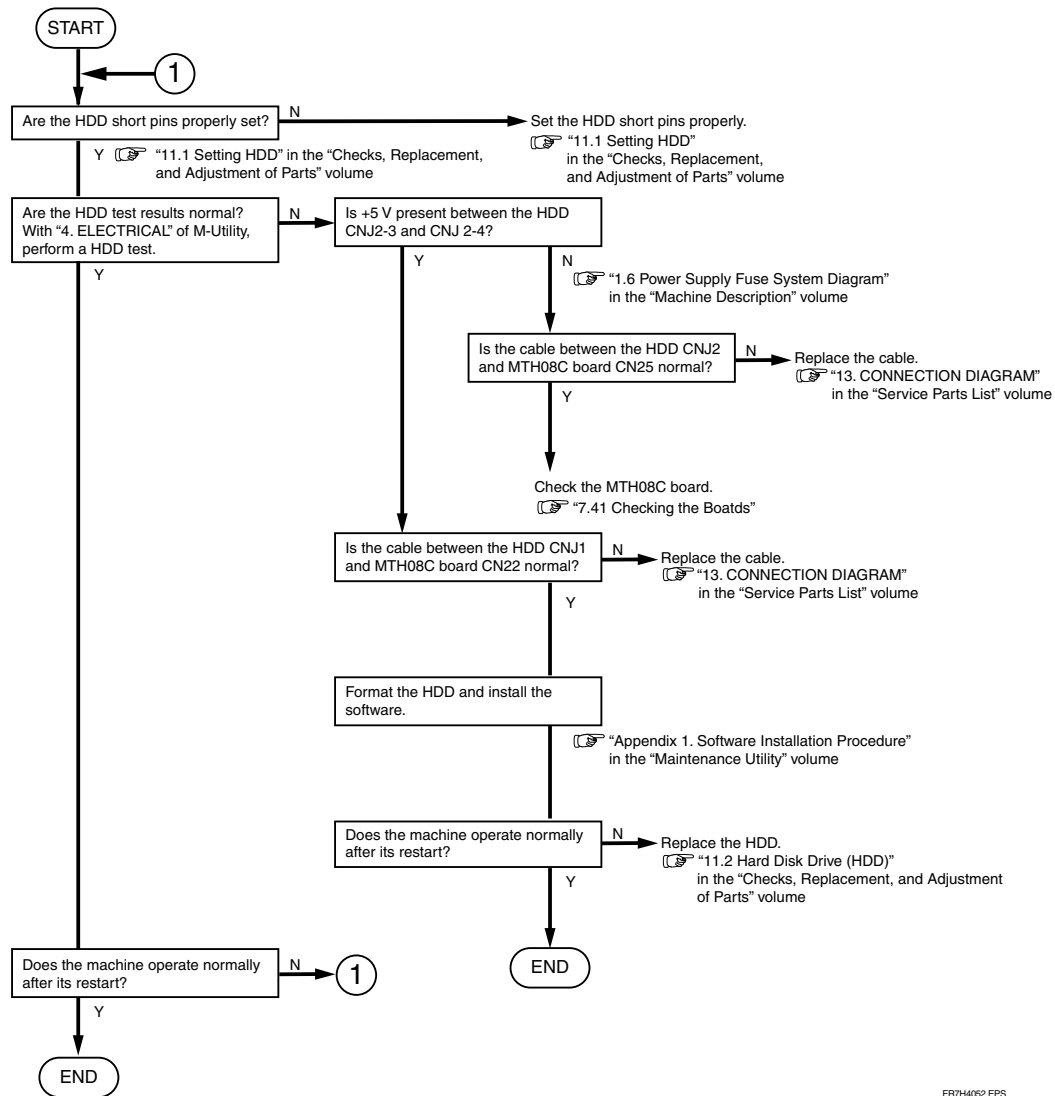


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## 7.42 Checking the HDD

### [1] Analysis Flow

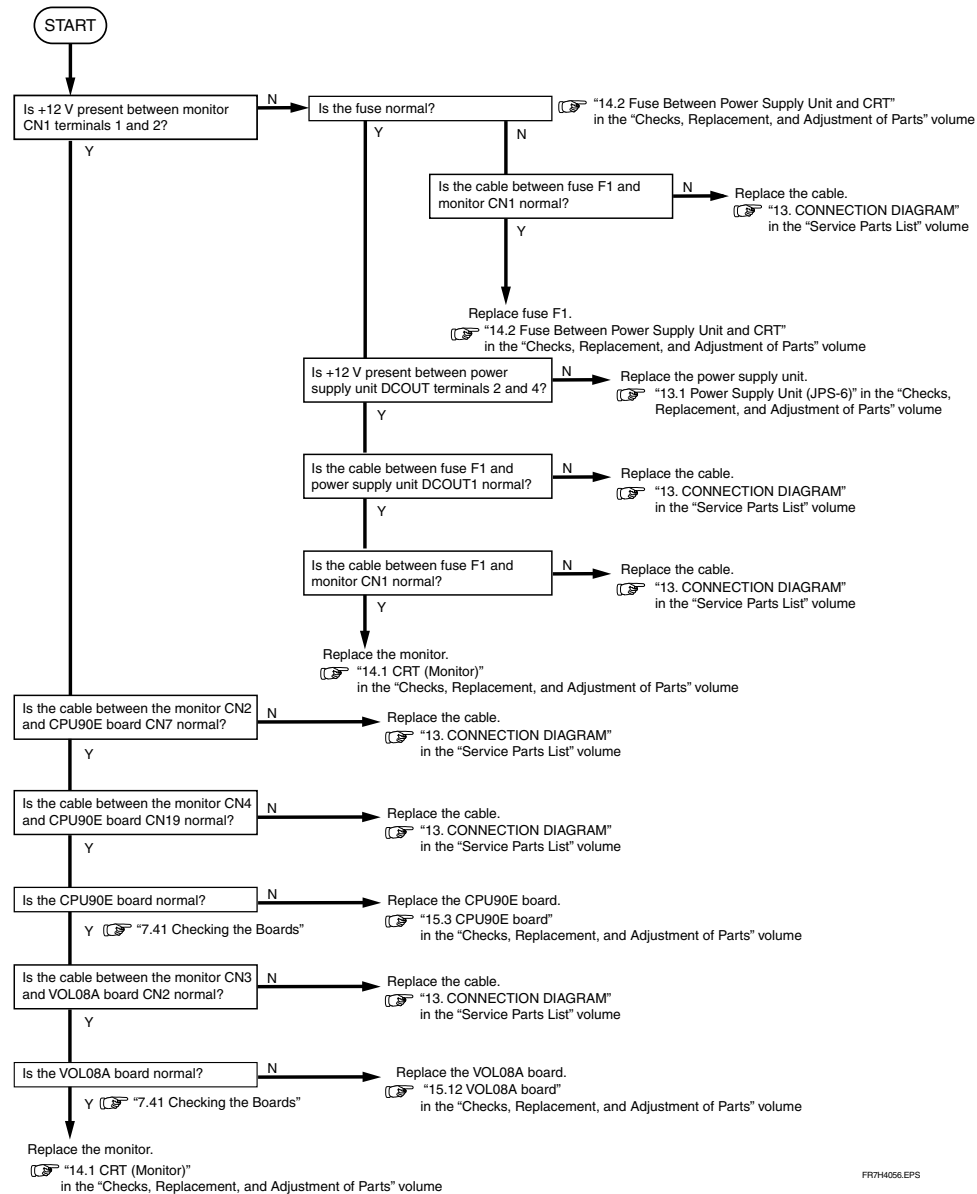


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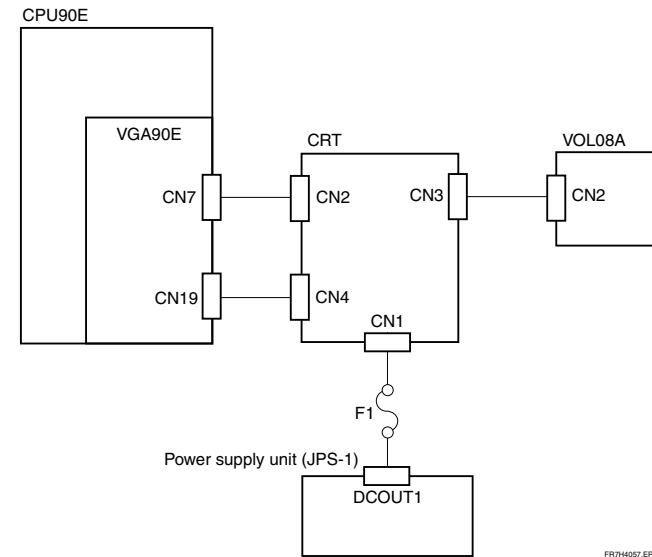
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## 7.43 Checking the Monitor

### [1] Analysis Flow

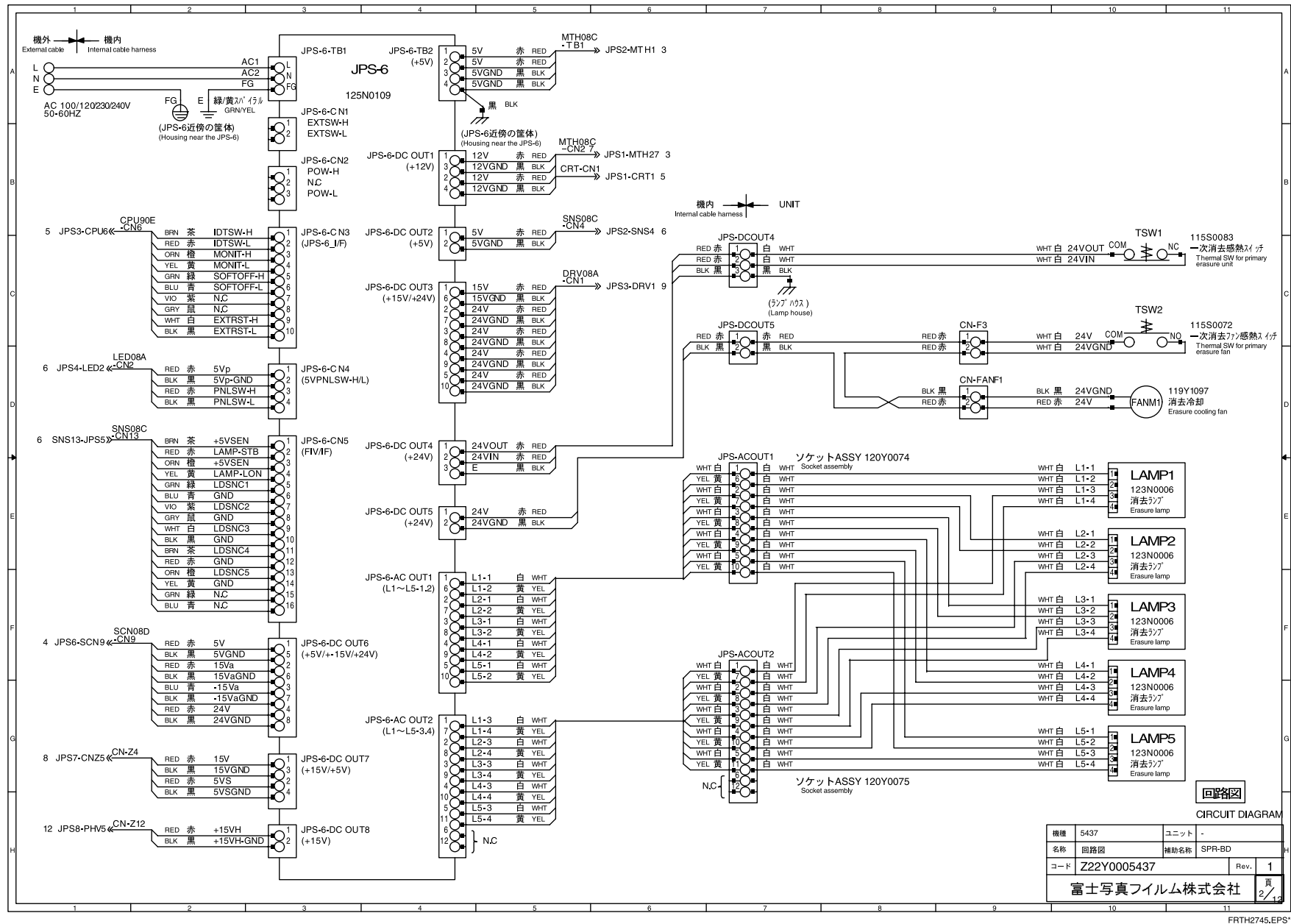


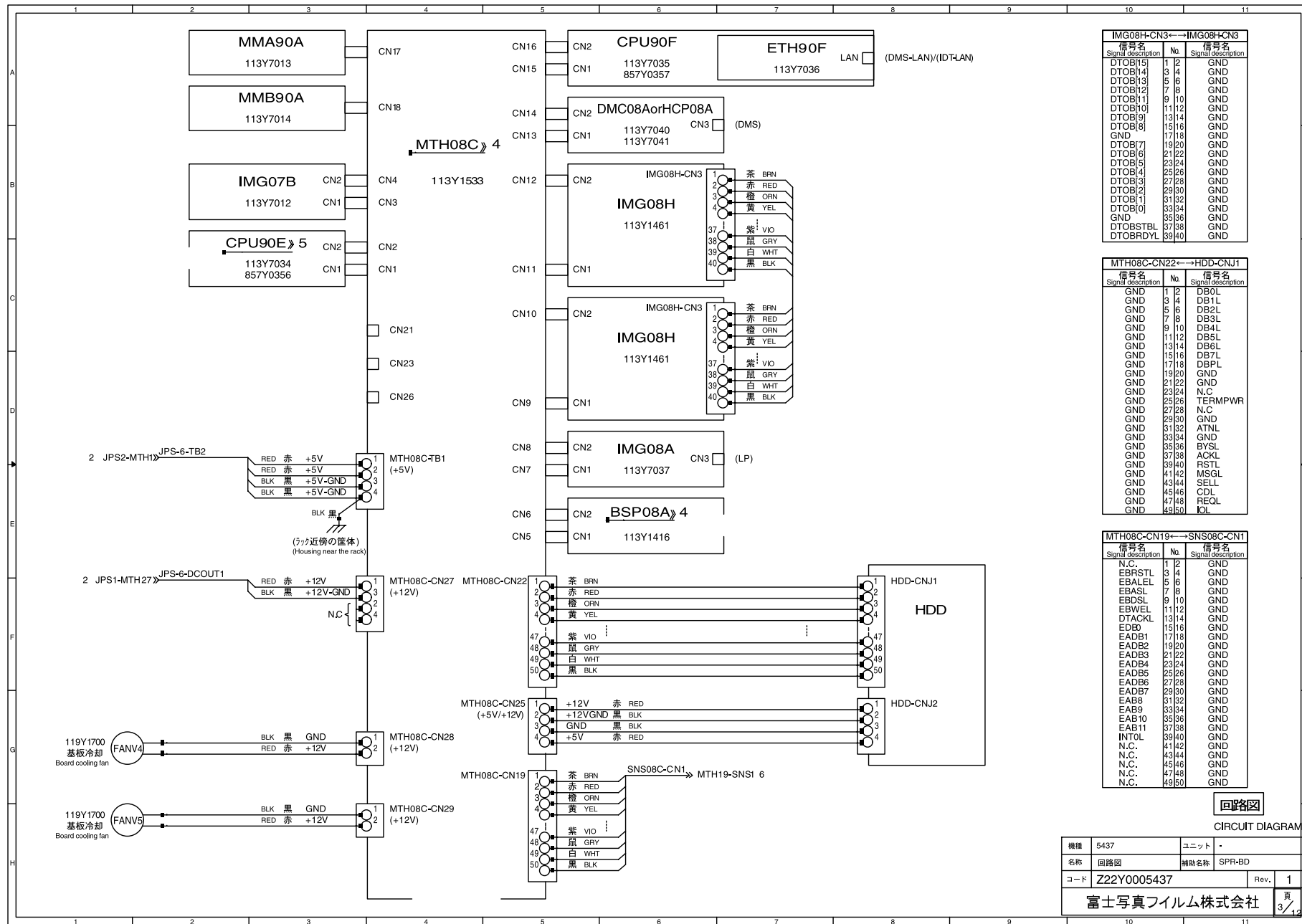
### [2] Monitor Circuit Diagram



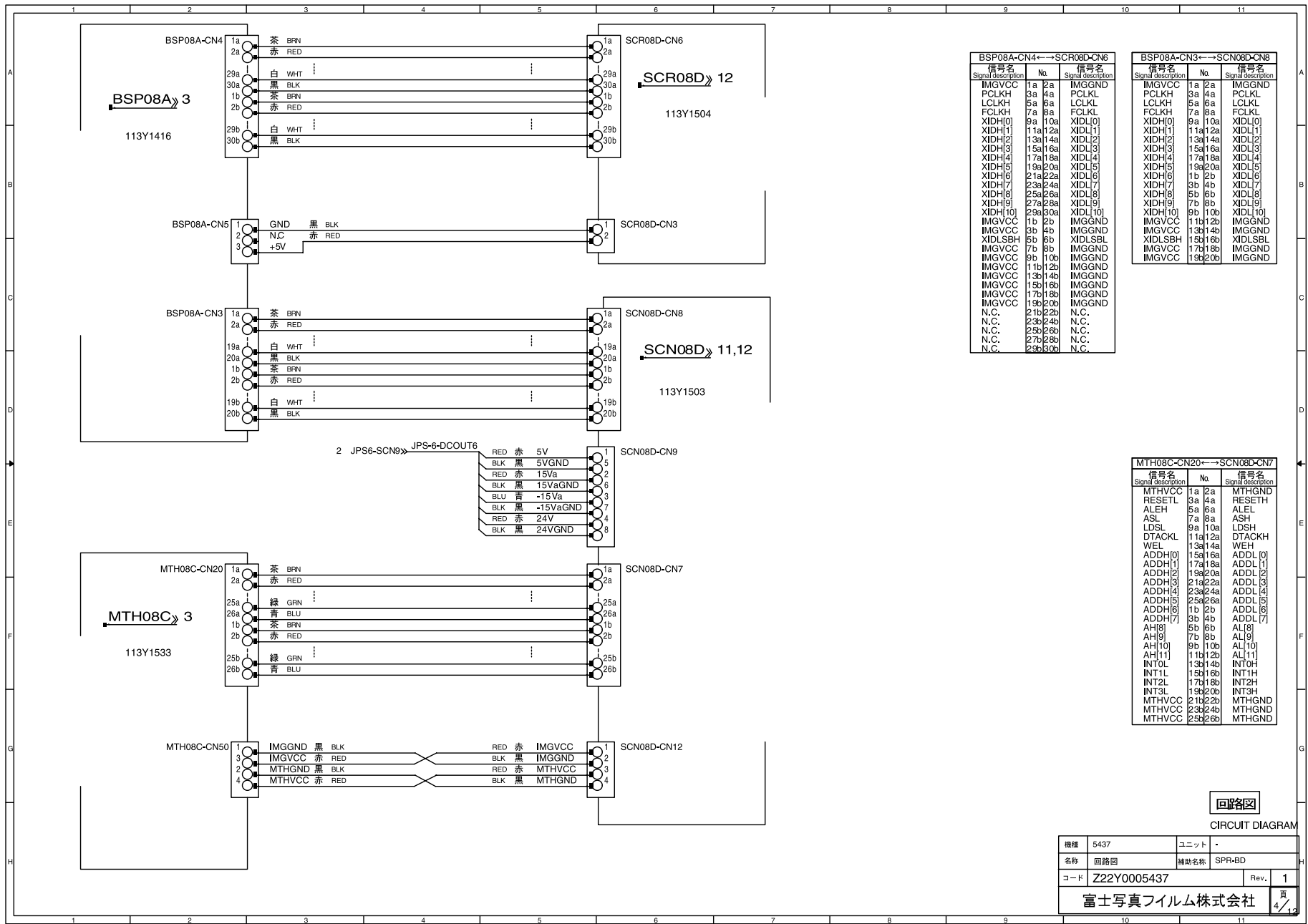
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## 8. Circuit Diagram

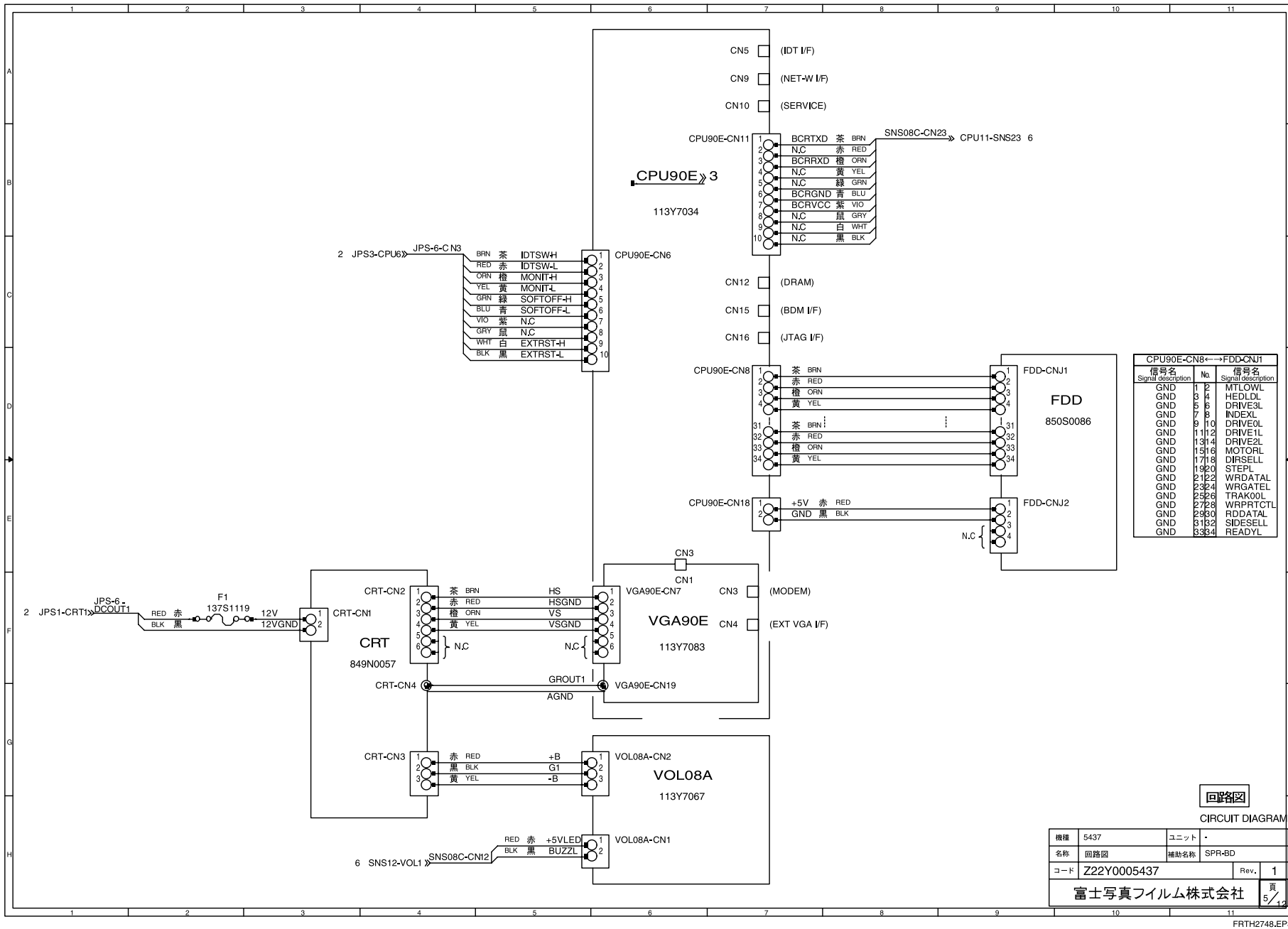




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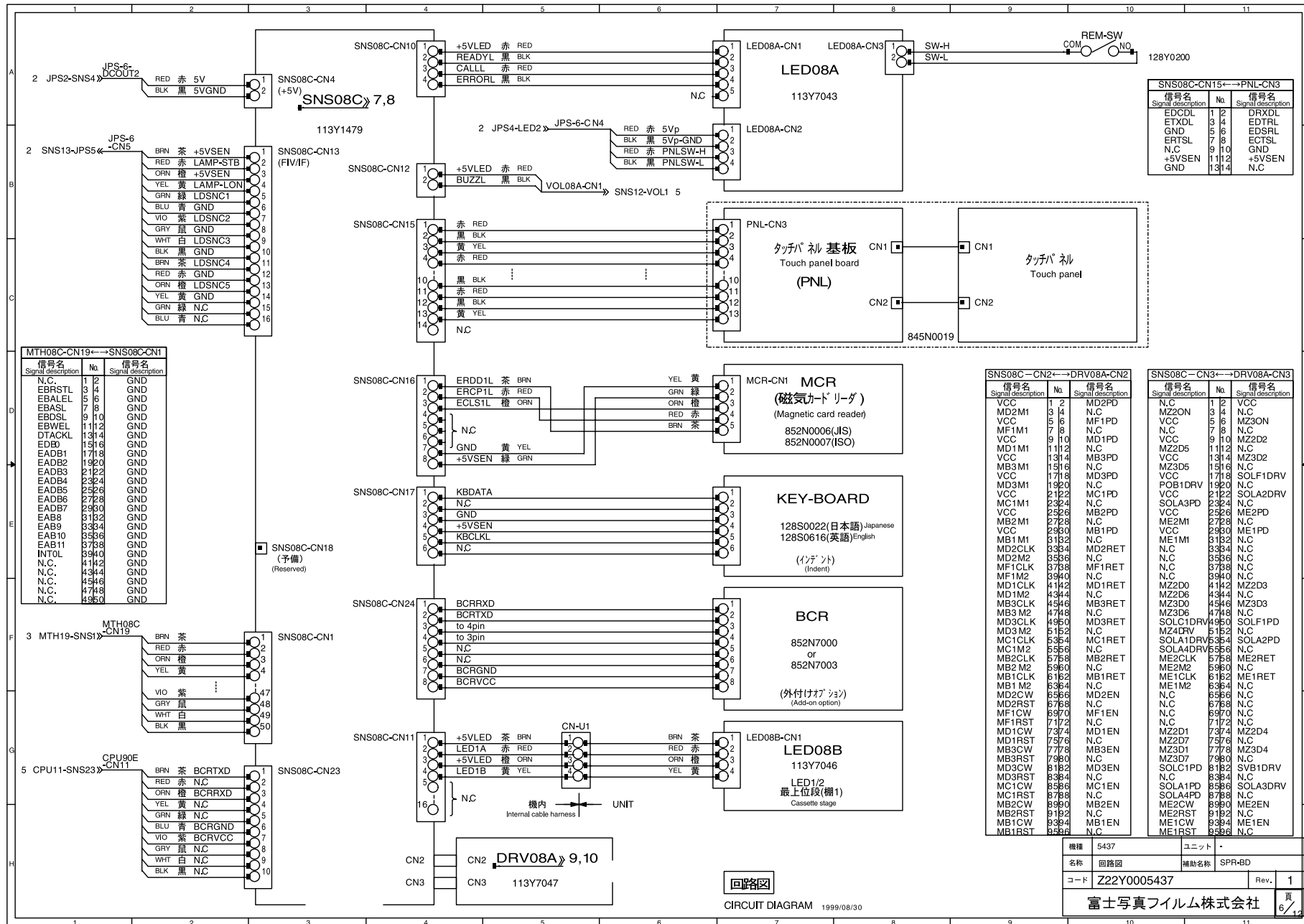


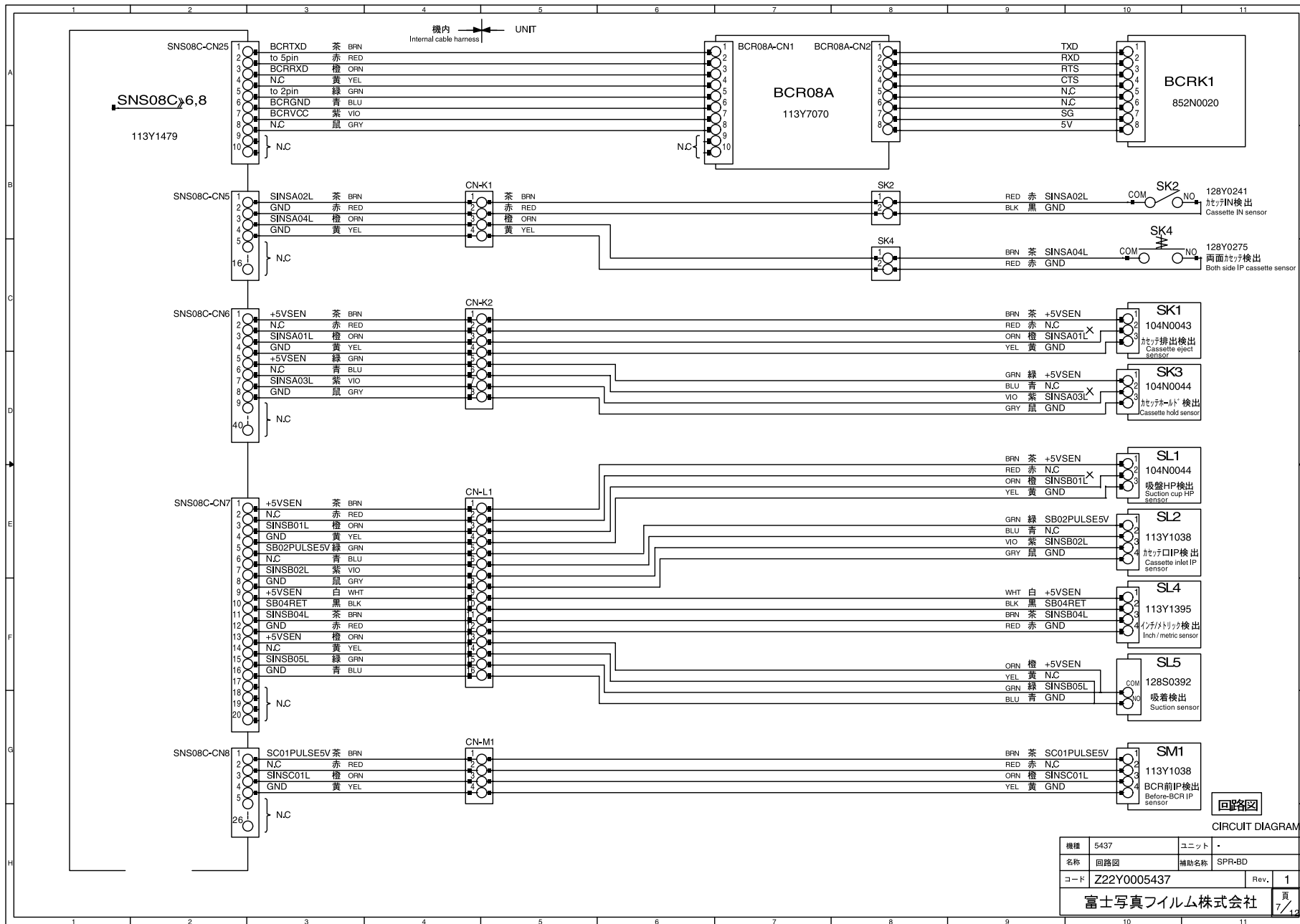
FRTH2747.EPS\*



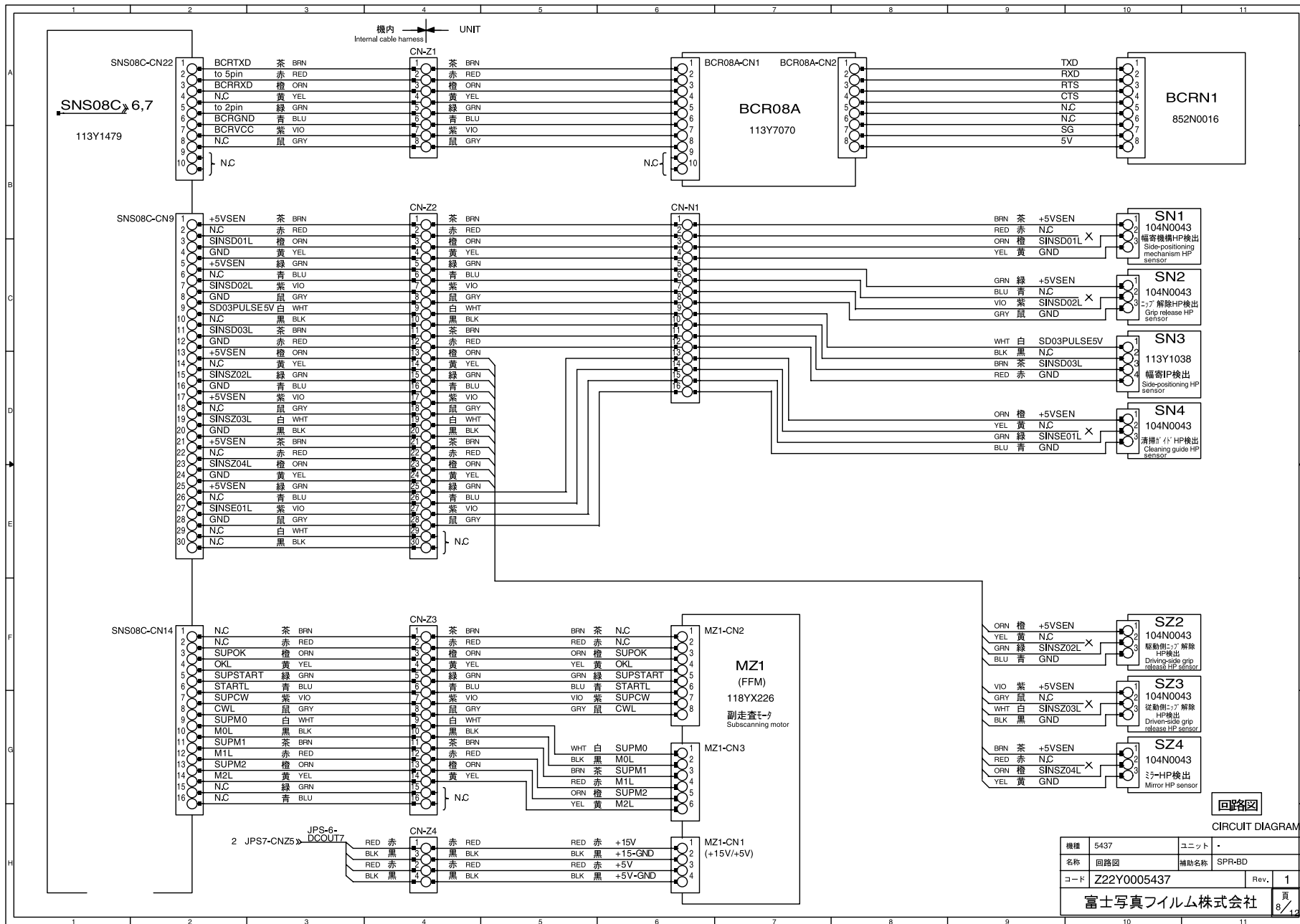
FRTH2748.EPS

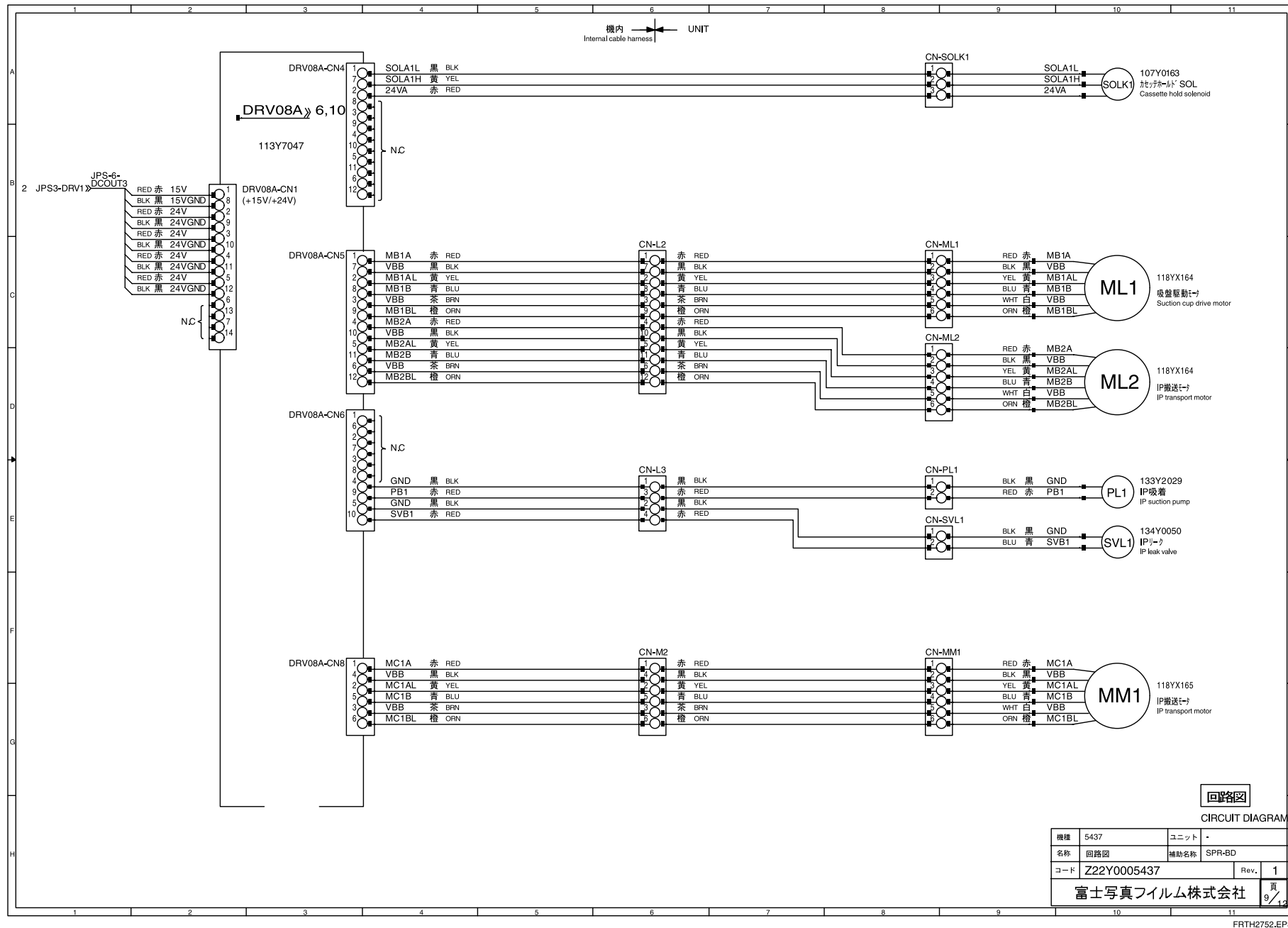


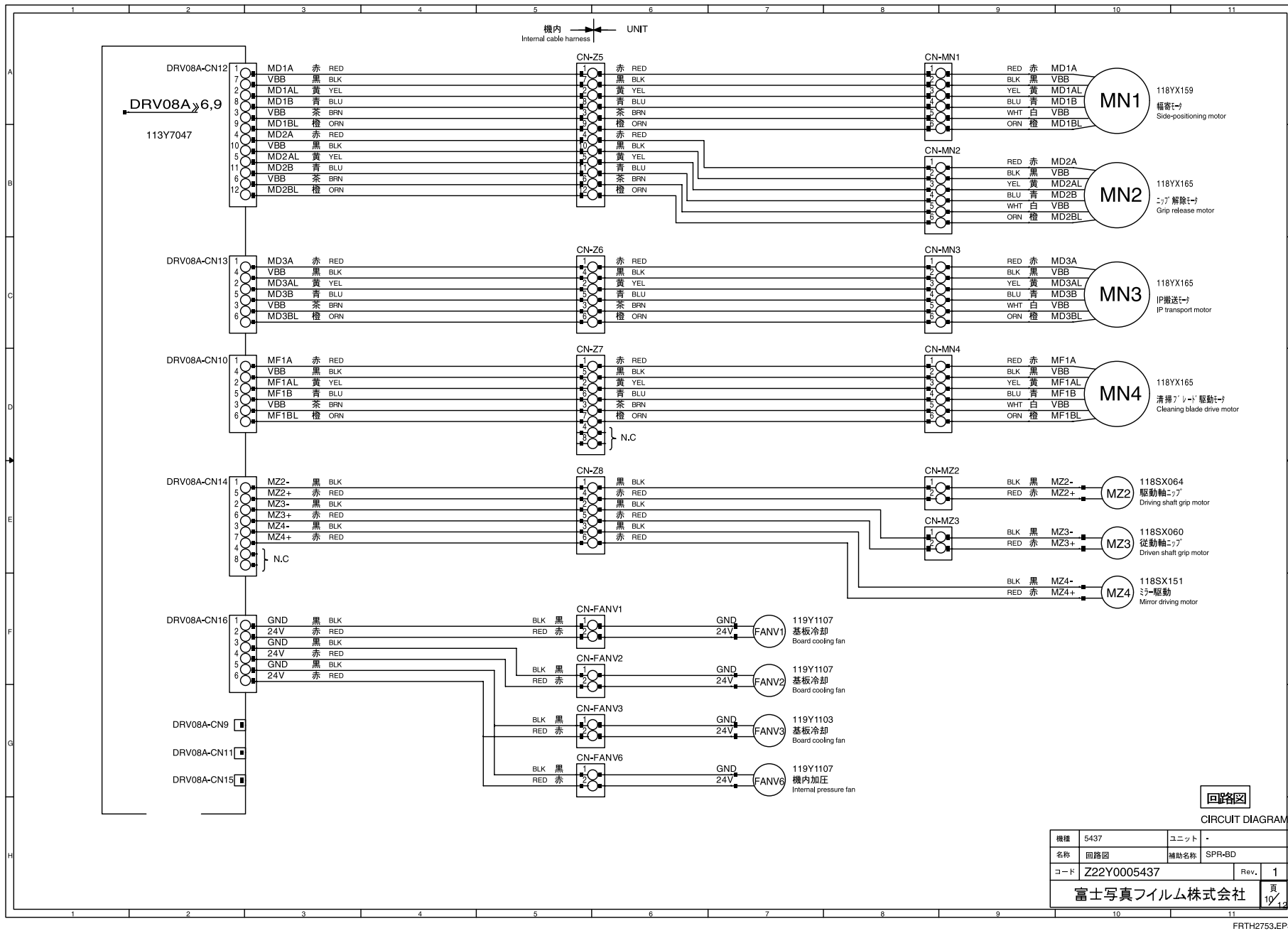


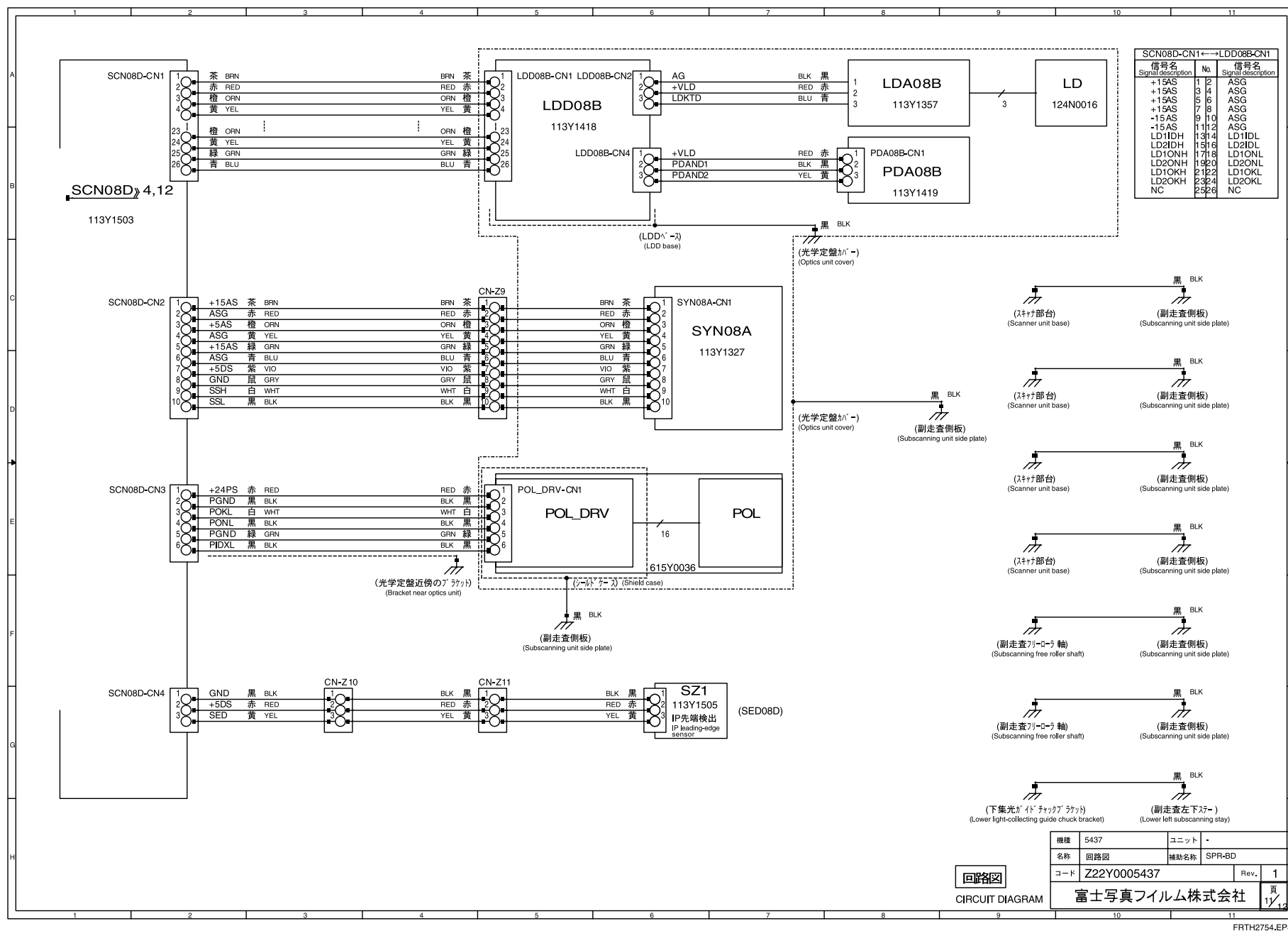


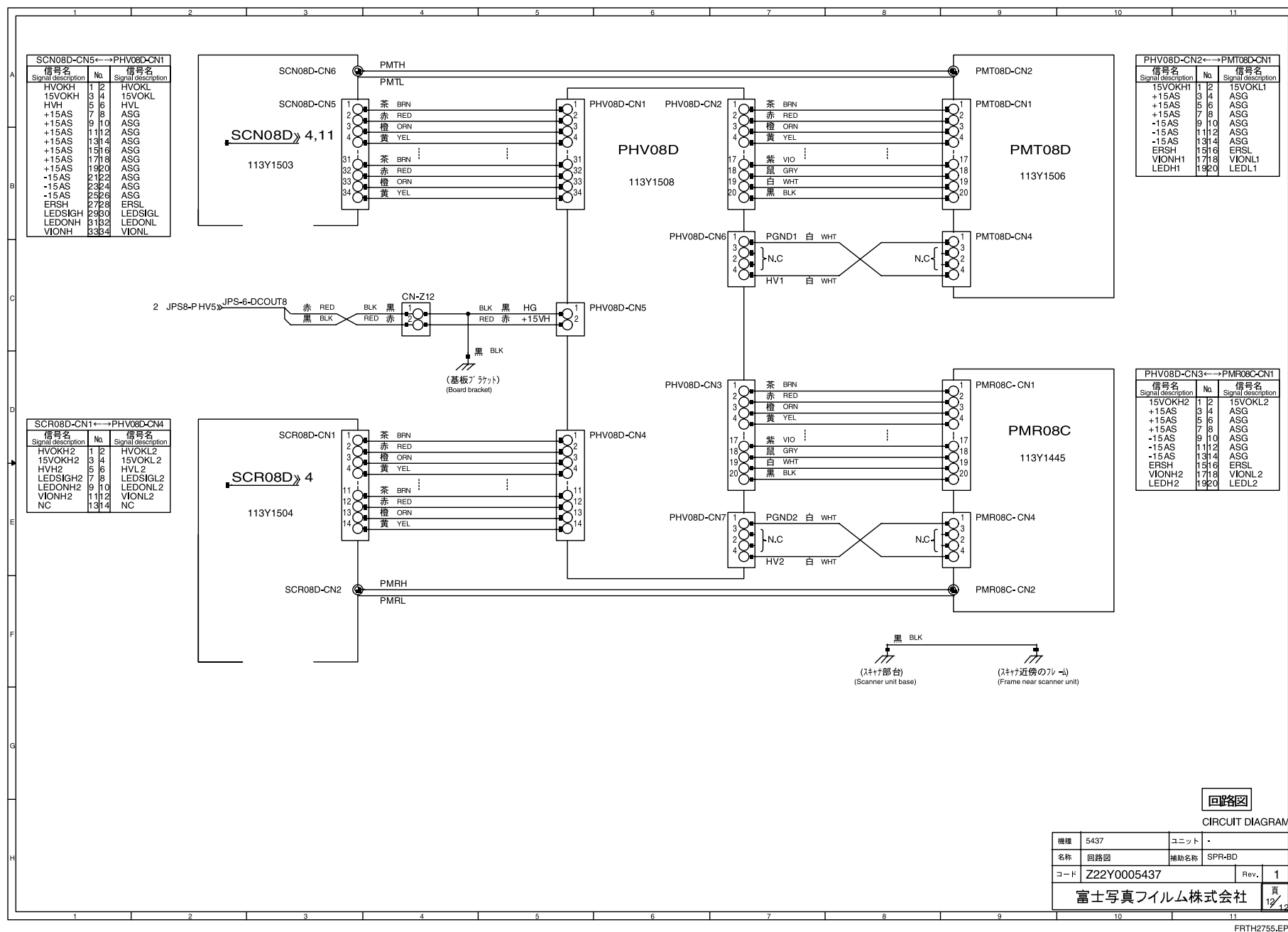
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## 9. Priority Checks to Be Conducted upon Trouble Occurrence

If an error (trouble) occurs, perform checks as indicated in the following table before proceeding to perform specified troubleshooting procedures.

### ■ Troubles/Phenomena and Priority Checkpoints (1/4)

Troubles	Priority checkpoints		Associated parts
	Connectors	Others	
Not powered up (not activated by switches; no lamp illumination or operation)	Power supply (located on the left-hand side): CN4	LED08A: CN2	Power supply unit (JPS-6) LED08A board
Stopped with "Could not initialize SCSI device" displayed	MTH08C: CN22, CN25 MTH08D: CN22, CN23 HDD: CNJ1, CNJ2	MTH08C: F4, F5 MTH08D: F5, F6	MTH08C board MTH08D board HDD
Stopped with "Attaching to <SCSI> device. . . " displayed	MTH08C: CN22, CN25, TB1 MTH08D: CN22, CN23, TB1 HDD: CNJ1, CNJ2 Power supply (located on the right-hand side): TB2	MTH08C: F1, F4, F5 MTH08D: F1, F5, F6	MTH08C board MTH08D board HDD Power supply unit (JPS-6)
Stopped with "Attaching to <SCSI> device. . . " Can't mount the volume 0x1f8ec4(tBoot): mempartFree" displayed	MTH08C (MMA90A): CN17, CN18 MTH08D (DIM08A): CN17, CN18 HDD: CNJ1, CNJ2		MTH08C board MTH08D board HDD
Stopped with "Attaching to DMA device. . . done" "Attaching to FloppyDisc device. . . done" "Attaching to SCSI device. . . done" displayed	CPU90E: CN1, CN2 MTH08C: TB1 MTH08D: TB1 Power supply (located on the right-hand side): TB2		CPU90E board MTH08C board MTH08D board Power supply unit (JPS-6)
Stopped with "VxWorks version -" displayed	SNS08C: CN4 CPU90E: CN1, CN2 MTH08C: TB1 MTH08D: TB1 HDD: CNJ1, CNJ2 Power supply (located on the right-hand side): TB2, DCOU76	SNS08C: F1 Power supply fuse: F13	SNS08C board CPU90E board MTH08C board MTH08D board HDD Power supply unit (JPS-6)
Bus error	MTH08C: CN19, CN20 SCN08D: CN19, CN20 SNS08C: CN7, CN9 SNS08C: CN1 Power supply (located on the right-hand side): DCOU76	MTH08C: F1 MTH08D: F1 Power supply fuse: F1	SNS08C board MTH08C board MTH08D board SCN08D board Power supply unit (JPS-6)
Flickering monitor screen.	CPU90E (VGA90E): CN7, CN19 Monitor: CN1, CN2, CN3, CN4 VOL08A: CN2 Power supply (located on the right-hand side): DCOU71	CPU90E: F1	CPU90E board Monitor VOL08A board Power supply unit (JPS-6)
Nothing displayed on the monitor screen.	CPU90E (VGA90E): CN7, CN19 Monitor: CN1, CN2, CN3, CN4 VOL08A: CN2 Power supply (located on the right-hand side): DCOU71	Monitor fuse: F1	CPU90E board Monitor VOL08A board Power supply unit (JPS-6)
Stopped with "STEP99" displayed	CPU90E: CN6 (located on the left-hand side): CN3		CPU90E board Power supply unit (JPS-6)
Stopped with "STEP95" displayed	SCN08D: CN1-CN9		SCN08D board CPU90F board LAN90B board
Stopped with "STEP90" displayed			(Clear the backup memory.)
Stopped with "STEP80" displayed	MTH08C: CN20 MTH08D: CN20 SCN08D: CN7	SNS08C: F2	SNS08C board SCN08D board MTH08A board MTH08D board (Clear the backup memory.)

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### ■ Troubles/Phenomena and Priority Checkpoints (2/4)

Troubles	Priority checkpoints		Associated parts
	Connectors	Others	
Stopped with "STEP70" displayed			CPU90F board LAN90B board
Stopped with "STEP40" displayed			CPU90F board LAN90B board (Initialize the HDD image area.)
Stopped with "STEP5" displayed			(Clear the backup memory.)
<b>**ERROR CODE:ffff02**</b> <b>**BUS ERROR**</b> task name = IJNL d0=010825ff d1=00082714 d2=01082548 d3=ffff02 d4=00000009 d5=01f258cc d6=01b17a22 d7=00000000 a0=ec000301 a1=0000000a a2=00000002 a3=00002400 a4=01a7c254 a5=01a87078 a6=01a86fb4 a7=01a86f6c sr= 27000 pc=01014cd4 stack +00:A75 01a87030 01028b16 00000002 +10:01a86fc0 010282ae 0103a1c8 01a872d8 +20:01a852db 00000000 00000000 00000000 ++30:01a872d8 01a86fb8 01035772 01a87404 Program Counter:01014a3c(_sysAbort + 2a4) Access address:ec000301 _exceptionHdr(1a872d8,2,1a87078,78,1e,20,3c) _excExcHandle(2,1a87078,1a87030,3c,10010f0,78,1e) _excStub(1a7c254,400,1e1b250,1e,1a9ec58,1ee7d10,1c4898c)		Stored as trace data. (core.dmp)	SCN08D board
<b>**ERROR CODE:ffff04**</b> <b>**ILLEGAL INSTRUCTION**</b> task name = tRestart d0=00000000 d1=00000000 d2=01fd3188 d3=00000000 d4=00000000 d5=00000000 d6=00000000 d7=00000000 a0=00000000 a1=00000000 a2=015aa014 a3=010979e0 a4=00000000 a5=0109d944 a6=01fd3170 a7=01fd3160 sr= 2000 pc=01c974bc stack +00:0104778 00000000 00000000 015aa014 +10:01fd3188 01c974bc 03010001 01c9741c +20:00000000 00000000 01fd31c4 01c9741c +30:01fd31f4 015aa014 01038e20 0102ad96		Stored as trace data. (core.dmp)	CPU90E board
<b>**ERROR CODE:02110009**</b> <b>**IMM:Immlnit fails in check of the shared memory.**</b> task name = tMFC d0=00000000 d1=00000000 d2=00000000 d3=01eda234 d4=01c339d4 a5=01c3377c a6=01a44800 a7=01a44800 sr= 3000 pc=01a81446 stack +00:01a44860 01a81446 02110009 01a862d5 +10:01c14c34 01eda234 01c339d4 01f1de7c +30:07000000 01a4484c 01a4994c 0130cb88 _Immlnit(70000000,14,1b95cd,5,1a448e2,1a448f4,1b96466) _PowerOff(1c14c34,3c,1a4497c,1c339d4,1a448d2,1a449aa,20) _sed_debug(1eda234,1a449aa,1f1de7c,1c339d4,0,0,0) _sedISC(1c339d4,0,0,105c7c6,0,0,0)	MTH08C (MMA90A, MMB90A): CN17, CN18  MTH08D (DIM08A): CN17, CN18	Stored as trace data. (core.dmp)	MMA90A board MMB90A board DIM08A board MTH08C board MTH08D board
<b>**ERROR CODE:05020003**</b> <b>**PNL:VCWindow ERROR**</b> task name = tPNL <b>**ERROR CODE:ffff02**</b> <b>**BUS ERROR**</b> task name = tHCP 0100d974(dspDevCreate+a2a) e5000000			MTH08C board MTH08D board HDD
<b>**ERROR CODE:ffff02**</b> <b>**BUS ERROR**</b> task name = tImain 01c07402(cmd enter+306) bf4cf55c			CPU90F board LAN90B board HDD

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### ■ Troubles/Phenomena and Priority Checkpoints (3/4)

Troubles	Priority checkpoints		Associated parts
	Connectors	Others	
Erasure lamp error (13AA)	SCN08D: CN13 Power supply (located on the left-hand side): CN5 Power supply (located on the right-hand side): ACOUT1, 2, DCOUT4		
Serious error → 03C8	Subscanning unit: CNZ8, CNMZ2, CNMZ3		
Fans (FANV1-FANG3) not rotating.	DRV08A: CN16		
03BC	Side-positioning conveyor: SN1, CNMN1		
03BF	DRV08A: CN1, CN12 SNS08C: CN9 Side-positioning conveyor: CNMN2, SN2, CNN1 Subscanning unit: CNZ2, CNZ5 Power supply (located on the right-hand side): DCOUT3	SNS08C: F2 Power supply fuse: F9, F12	
03C7	Subscanning unit: CNMZ3		
03C8	DRV08A: CN14 Subscanning unit: CNMZ2, SZ2	Power supply fuse: F2	
03C9	Subscanning unit: CNZ2, SZ3		
03E8	DRV08A: CN5 SNS08C: CN7 IP removal unit: CNML1, SL1, CNL1, CNL2		
0532/0537/0538	SCN08D: CN3 Scanning optics POL DRV: CN1	SCN08D: F5	
No click tone/alarm sound generated, and cassette IN/OUT LED not illuminated	VOL08A: CN1	SNS08C: F3	
Cassette IN/OUT LED not illuminated	SNS08C: CN11 Multi-stage cassette loading cover: CNU1		
Cassette cannot be locked (the lock pin remains withdrawn)	SNS08C: CN5 Cassette set unit: CNK1, SK2		
Touch panel inoperative	SNS08C: CN15 PNL: CN3		
Operation lamps unit (Ready, Error lamps, etc.)	SNS08C: CN10 LED08A: CN1		
Failed erasure lamp (13AA) Erasure lamp fan (FANF1) not rotated	Power supply (located on the right-hand side): DCOUT5	Power supply fuse: F5	
IP jam/freeze (offensive noise from the IP removal unit)	IP removal unit: SVL1		
Cassette Setting Error (13A1)		Suction cup/air piping dislocated	

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### ■ Troubles/Phenomena and Priority Checkpoints (4/4)

Troubles	Priority checkpoints		Associated parts
	Connectors	Others	
Out-of-spec IP size (13A8)	Cassette set unit: SL4		
Barcode Read Error (13A9)	SNS08C: CN22, CN23 CPU90E: CN11 BCR08A: CN1, CN2 Subscanning unit: CNZ1		
Feed-IP Suction Error (13E1)	IP removal unit: SL5, CNL1		
Feed-IP Grip Error (13E3)	IP removal unit: SL2, CNML2		
03B1	DRV08A: CN5, CN8, CN13 SNS08C: CN8 Erasure conveyor: CNML2 Erasure conveyor: CNM1, CNMM1, CNM2 Side-positioning conveyor: CNMN3	Up-down/before-side-positioning belt dislocated Power supply fuse: F11	
03B3	Side-positioning conveyor: SN3		
03C1	SNS08C: CN14 FFM (MZ1): CN1, CN2 Subscanning unit: CNZ3, CNZ4 Power supply (located on the right-hand side): DCOUT7	Power supply fuse: F3, F4	
0534/0537/0538	SCN08D: CN1 Scanning optics unit LDD08A: CN1	SCN08D: F1, F3	
0534/0537/0538/0536		Power supply fuse: F7, F8	
0536	SCN08D: CN5 PMT08A: CN1	SCN08D: F2, F4	
0537	SCN08D: CN2 Scanning optics unit: SYN08A: CN1	SCN08D: F6, F7, F9, F10	
0537/0538		Power supply fuse: F6	
0538	SCN08D: CN4 Subscanning unit: SZ1, CNZ10, CNZ11	SCN08D: F8	
03D5	Erasure conveyor: SM3		
0422	SCN08D: CN12 MTH08C: CN50 MTH08D: CN21	MTH08C: F3 MTH08D: F3 Power supply fuse: F3, F4	

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## 10. Making Analyses of Image Abnormalities

To analyze an abnormal image, it is necessary to note the features of the image and locate the source of abnormality within the machine.

To locate the source of abnormality, use the following analysis procedures. If you encounter any image abnormality, use the following analysis procedures to identify the cause of the abnormality.

- Troubleshooting Procedure in Cases where Error Code Occurred
- Making analyses in the virtual image generation mode

If the above procedures do not help, make analyses in accordance with the image abnormality samples (10.3 Reference Data - Typical Image Abnormalities).

### 10.1 Making Analyses in Accordance with Error Codes

- (1) Note the error log that was obtained when an image abnormality occurred.

Open the error log and note the detailed error information to check for an error whose occurrence time agrees with the image abnormality occurrence time.

- 23BA to 23BC and 23BE: Subscanning mechanism error codes
- 2500 to 25FF: Scanner mechanism error codes

☞ “4. [1] ERROR LOG UTILITY” in the “Maintenance Utility” volume

- (2) If an error occurred, note the probable cause and remedy indicated in the error code table, and take an appropriate remedial action.

☞ “2. Error Code Table”

#### ◇ SUPPLEMENTARY NOTE ◇

*The detailed information format of an error code contains the information about the timing between the start of image reading and the occurrence of an abnormality. Refer to the detailed information format as needed.*

☞ “3. Detailed Information Format”

#### ◆ NOTE ◆

*Scanner subscanning mechanism errors (warnings) that do not cause image abnormalities should be ignored because they need no analysis or troubleshooting.*

- (3) If troubleshooting cannot be performed based on the error code, use the virtual image generation mode for troubleshooting.

☞ “10.2 Making Analyses in the Virtual Image Generation Mode”

### 10.2 Making Analyses in the Virtual Image Generation Mode

The virtual image generation mode (pseudo-reading) allows you to investigate the cause of an image abnormality.

In this mode, pseudo image signals are generated from various scanner components to perform an image reading operation. The obtained results can be used to identify the cause of an image abnormality.

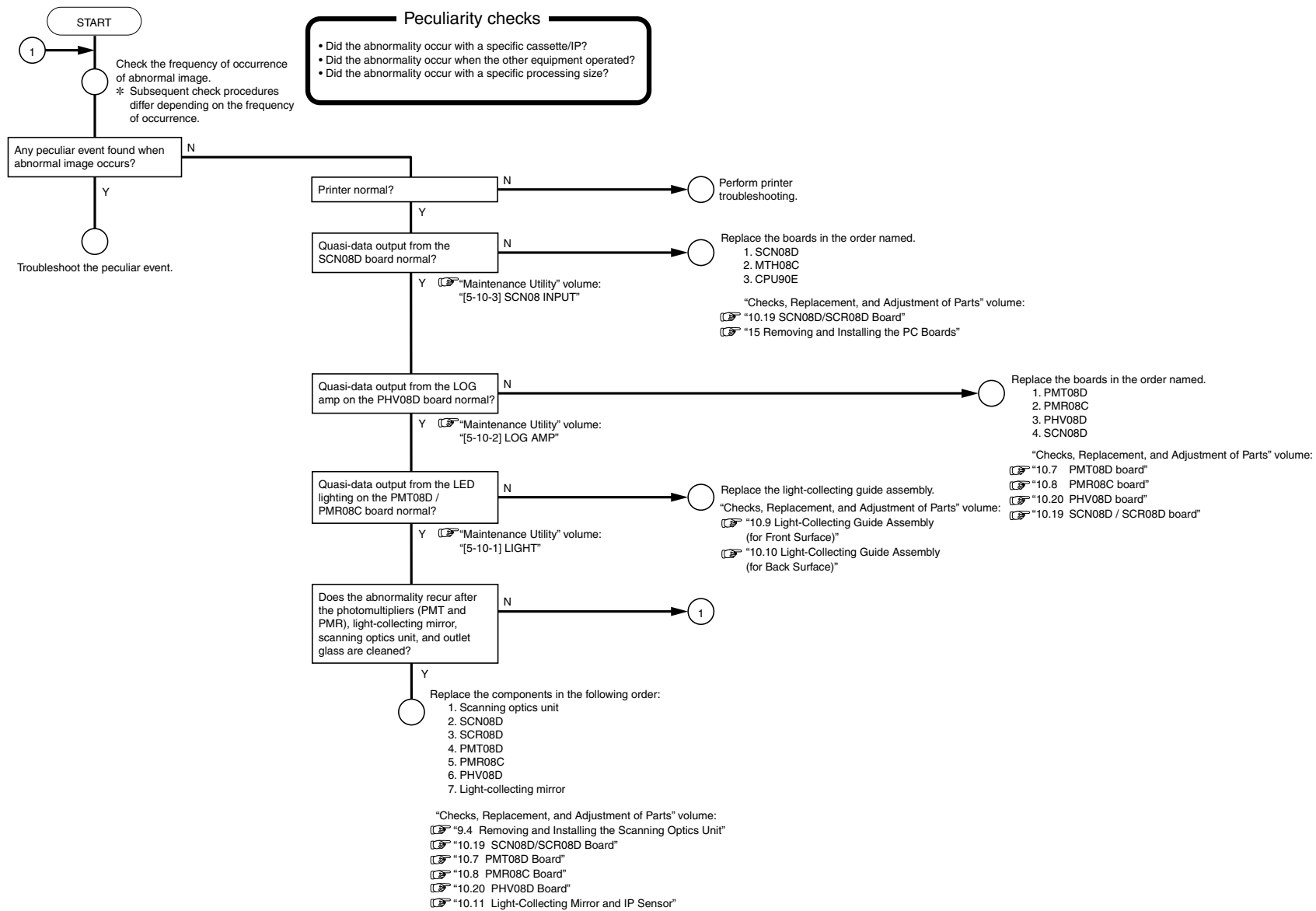
The image abnormality analysis must be made of one IP surface at a time.

Virtual image generation result	Abnormality isolation	Probable cause
“LIGHT” causes no abnormality.	The cause of the abnormality existed before the light emitted from the IP fell on the photomultiplier (the light emission from the IP was abnormal).	<ul style="list-style-type: none"> <li>• Optical components (laser included)</li> <li>• Light-collecting guide/light-collecting mirror</li> <li>• Subscanning</li> <li>• X-ray source</li> <li>• IP</li> <li>• Conveyor system</li> <li>• Erasure failure</li> <li>• Influence of external noise on laser</li> </ul>
“LIGHT” causes an abnormality, but “LOG AMP” causes no abnormality.	The cause of the abnormality existed between the incidence of light on the photomultiplier and the output of the photomultiplier current (relative to the PMT board).	<ul style="list-style-type: none"> <li>• Photomultiplier</li> <li>• High-voltage power supply (on PMT board)</li> <li>• Leakage of erasure lamp light or extraneous light</li> <li>• Optical noise caused by IP static electricity</li> <li>• Magnetic noise</li> </ul>
“LIGHT” and “LOG AMP” cause an abnormality, but “SCN08 INPUT” causes no abnormality.	The cause of the abnormality existed between PMT/PMR board input and SCN/SCR board input.	<ul style="list-style-type: none"> <li>• PMT/PMR board</li> <li>• Influence of external electrical noise on PMT/PMR board (IP static noise, power supply noise, motor noise, etc.)</li> <li>• Cables between PMT/PMR board and SCN/SCR board</li> </ul>
“LIGHT”, “LOG AMP”, and “SCN08 INPUT” cause an abnormality.	The cause of the abnormality existed in the image signal system in the SCN/SCR board image signal input and subsequent sections.	<ul style="list-style-type: none"> <li>• SCN08D/SCR08D board</li> <li>• Influence of external electrical noise on SCN08D/SCR08D board (electrical noise, motor noise, etc.)</li> <li>• Image-related boards (e.g., IMG board) positioned after the SCN08D/SCR08D board</li> <li>• Cables connected to the above PC boards</li> </ul>

TR7H2203.EPS

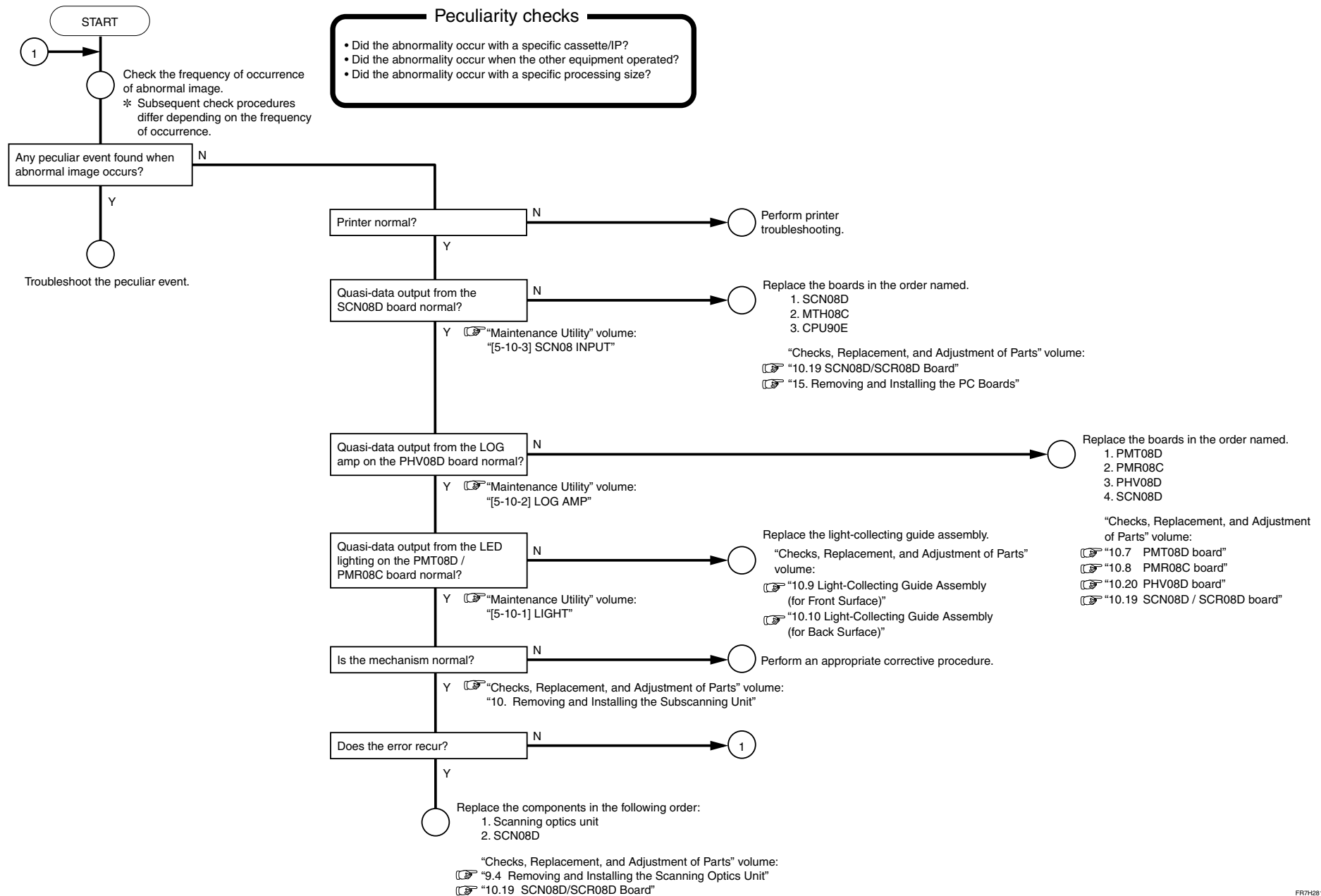
For “vertical streaks,” “horizontal streaks,” and “other abnormal images,” their specific troubleshooting flows are described in the pages that follow. Use the troubleshooting flow to analyze the abnormal image.

## [1] Vertical streaks



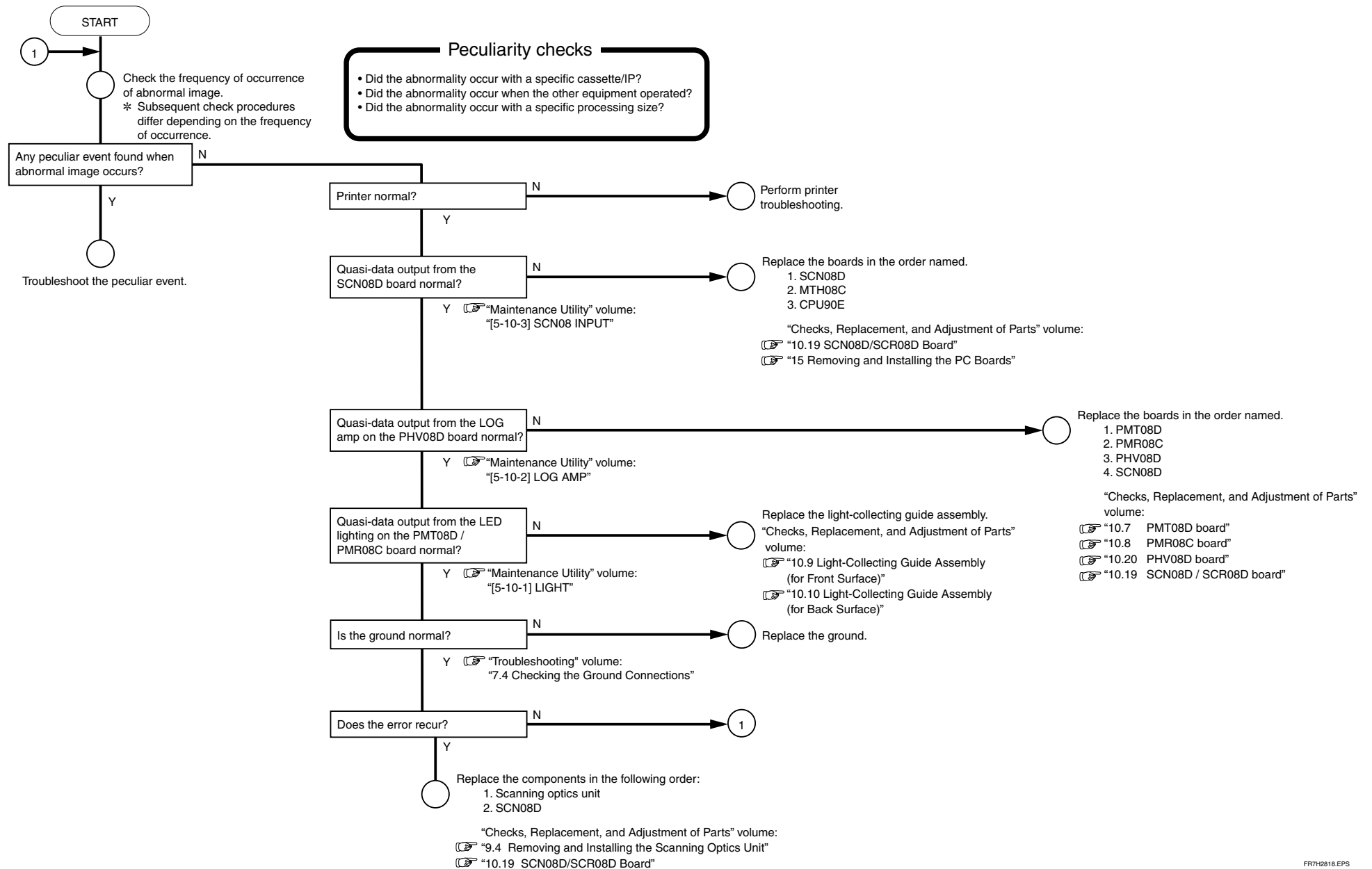
FR7H2816.EPS

## [2] Horizontal streaks



FR7H2817.EPS

## [3] Other image abnormalities



FR7H2818.EPS

## 10.3 Reference Data - Typical Image Abnormalities

The following image abnormalities may occur.

No.101	Tree ring-like ununiformity	<p>&lt;Probable Causes&gt;</p> <ul style="list-style-type: none"> <li>Leaked rays of light from LAMP1 through LAMP5 may be admitted into the scanner unit. (Improper installation of the covers, damage on the light-tight member located inside the cover, etc.)</li> <li>The PMT08D/PMR08C board is faulty.</li> <li>The installation of covers to the PMT08D/PMR08C board is improper.</li> </ul> <p>&lt;Check and Reference&gt;</p> <ul style="list-style-type: none"> <li>Check if an error (2545: 2118 HV voltage error 2) occurs concurrently with the abnormal image. Note, however, that it will not be detected if the noise is minuscule.</li> </ul>
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FR7H1800.EPS

No.102	Horizontal streaks (1)	<p>&lt;Probable Cause&gt;</p> <ul style="list-style-type: none"> <li>Leaked rays of light externally coming into the machine may fall on the scanner unit. (Improper installation of covers to the machine, especially the lower front cover, improper installation of the light-tight members around the light-collecting guide assembly, etc.)</li> </ul> <p>&lt;Check and Reference&gt;</p>
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FR7H1801.EPS

No.105	Horizontal streaks (4)	<p>&lt;Probable Causes&gt;</p> <ul style="list-style-type: none"> <li>The PMT08D/PMR08C board is faulty.</li> <li>The subscanning motor and subscanning mechanism are faulty.</li> <li>The light source is faulty.</li> <li>The polygonal mirror assembly is faulty.</li> </ul> <p>&lt;Checks and References&gt;</p> <ul style="list-style-type: none"> <li>Check if a scanner error (2500's) or wow-flutter error (23BE) occurred when the abnormal image occurred.</li> <li>Use the virtual image generation mode to isolate the cause.</li> <li>⇒ "10.2 Making Analyses in the Virtual Image Generation Mode"</li> </ul>
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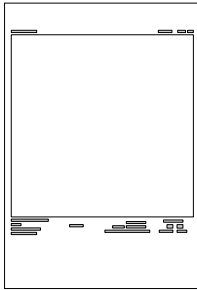
FR7H1804.EPS

No.106	Horizontal streaks (5)	<p>&lt;Probable Causes&gt;</p> <ul style="list-style-type: none"> <li>Proper shading correction has not been performed.</li> <li>SHADING/POLYGON CORRECTION in the Maintenance Utility is OFF.</li> <li>The polygonal mirror is soiled.</li> </ul> <p>&lt;Checks and References&gt;</p> <ul style="list-style-type: none"> <li>Perform shading correction properly.</li> <li>Set "3. SHADING/POLYGON CORRECTION" in the Maintenance Utility to ON.</li> <li>Replace the polygonal mirror.</li> <li>⇒ "9.6 Polygon Assembly" in the "Checks, Replacement and Adjustment of Parts" volume</li> </ul>
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FR7H1805.EPS

No.107	Blank image	<p>&lt;Probable Causes&gt;</p> <ul style="list-style-type: none"> <li>• The high-voltage switch (S1) of the SCN08D board and the software switch are in the OFF position.</li> <li>• The PMT08D/PMR08C board is faulty.</li> </ul> <p>&lt;Checks and References&gt;</p> <ul style="list-style-type: none"> <li>• Set the SCN08D board's high-voltage switch (S1) and the software switch in the ON position.</li> <li>• Troubleshoot the PMT08D/PMR08C board. <ul style="list-style-type: none"> <li>⇒ "7.38 Checking the Photomultiplier (PMT08D)"</li> <li>⇒ "7.39 Checking the Photomultiplier (PMR08C)"</li> </ul> </li> </ul>
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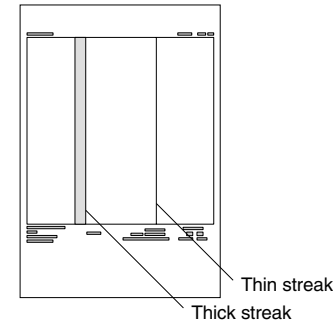
- A white blank image is generated.



FR7H1806.EPS

No.109	Vertical white streak	<p>&lt;Probable Causes&gt;</p> <ul style="list-style-type: none"> <li>• Relatively thin streak Dust deposited on the light-collecting guide or light-collecting mirror may block the laser beam.</li> <li>• Relatively thick streak The light-collecting guide is faulty; shading correction is improper; the lens mirror (especially, the dust window) of the scanning optics unit is soiled.</li> </ul> <p>&lt;Checks and References&gt;</p> <ul style="list-style-type: none"> <li>• Remove the dust deposits using a blower.</li> <li>• Clean the light-collecting guide or light-collecting mirror.</li> <li>• Perform shading correction properly.</li> </ul>
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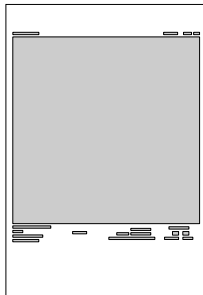
- Streaks occur in the subscanning direction.



FR7H1808.EPS

No.108	Uniformly exposed image with midtone	<p>&lt;Probable Causes&gt;</p> <ul style="list-style-type: none"> <li>• The connector (CN2) is not connected to the PMT08D/PMR08C board.</li> <li>• The connector (CN5) is not connected to the SCN08D board.</li> <li>• The connector (CN1) is not connected to the SCR08D board.</li> <li>• Quasi-reading mode is set.</li> </ul> <p>&lt;Checks and References&gt;</p> <ul style="list-style-type: none"> <li>• Connect the unplugged connector to the PMT08D/PMR08C board or SCN08D/SCR08D board.</li> <li>• Cancel the quasi-reading mode.</li> </ul>
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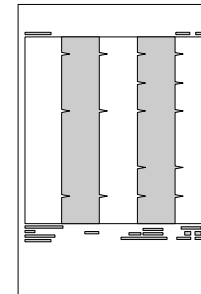
- A uniformly exposed image with midtone density (gray) is generated.



FR7H1807.EPS

No.303	Jitters	<p>&lt;Probable Causes&gt;</p> <ul style="list-style-type: none"> <li>• The rotation of the polygon is improper.</li> <li>• The incident beam of the SYN08A board is misaligned.</li> <li>• Decrease in the laser power.</li> </ul> <p>&lt;Checks and References&gt;</p> <ul style="list-style-type: none"> <li>• Reset the machine, or power OFF the machine and then back ON again, to perform self-diagnostics during machine initialization. If the results of the self-diagnostics indicate that any board is faulty, then replace that board.</li> <li>• If the error (polygon error 2: 2542) occurred simultaneously, check and replace the polygonal mirror assembly.</li> </ul>
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- Sync is misaligned by one or several pixels in the main-scan direction.
- Such jitters may sometimes occur in the middle of the scan line.



FR7H1819.EPS



No.201	Improper image (1)	<p>&lt;Probable Causes&gt;</p> <ul style="list-style-type: none"> <li>• The reading system is faulty. (The high voltage is not applied; the connector is not connected, etc.)</li> <li>• The photomultiplier or HV (PMT08D board) is faulty.</li> <li>• Any of the SCN08D/SCR08D, IMG07B, IMG08M, IMG08H, and MTH08C boards is faulty, or the HDD and/or image memory is faulty.</li> </ul> <p>&lt;Checks and References&gt;</p> <ul style="list-style-type: none"> <li>• Reset the machine, or power OFF the machine and then back ON again, to perform self-diagnostics during machine initialization. If the results of the self-diagnostics indicate an error, replace the relevant board.</li> <li>• Check connection between each of the SCN08D/SCR08D, IMG07B, IMG08M, IMG08H, and MTH08C boards and their corresponding connectors.</li> <li>• Use the virtual image generation mode to isolate the cause. <ul style="list-style-type: none"> <li>⇒ "10.2 Making Analyses in the Virtual Image Generation Mode"</li> </ul> </li> </ul>
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FR7H1809.EPS

No.203	Improper image (3)	<p>&lt;Probable Cause&gt;</p> <ul style="list-style-type: none"> <li>• The IMG08M board is faulty.</li> </ul> <p>&lt;Check and Reference&gt;</p> <ul style="list-style-type: none"> <li>• Reset the machine, or power OFF the machine and then back ON again, to perform self-diagnostics during machine initialization. If the results of the self-diagnostics indicate an error, replace the relevant board.</li> </ul>
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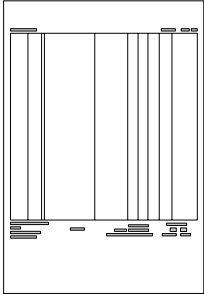
FR7H1811.EPS

No.202	Improper image (2)	<p>&lt;Probable Cause&gt;</p> <ul style="list-style-type: none"> <li>• The IMG08M board is faulty (the unsharp mask memory is faulty).</li> </ul> <p>&lt;Check and Reference&gt;</p> <ul style="list-style-type: none"> <li>• Reset the machine, or power OFF the machine and then back ON again, to perform self-diagnostics during machine initialization. If the results of the self-diagnostics indicate an error, replace the relevant board.</li> </ul>
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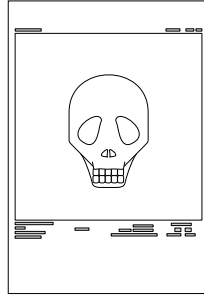
FR7H1810.EPS

No.204	Improper image (4)	<p>&lt;Probable Cause&gt;</p> <ul style="list-style-type: none"> <li>• The contents of the memory containing enlargement/reduction ratios in the IMG08M board is corrupted.</li> </ul> <p>&lt;Check and Reference&gt;</p> <ul style="list-style-type: none"> <li>• Reset the machine, or power OFF the machine and then back ON again, to perform self-diagnostics during machine initialization. If the results of the self-diagnostics indicate an error, replace the relevant board.</li> </ul>
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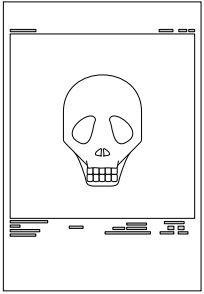
FR7H1812.EPS

No.205	Improper image (5)	<p>&lt;Probable Cause&gt;</p> <ul style="list-style-type: none"> <li>Any of the SCN08D/SCR08D, IMG07B, IMG08M, IMG08H, and MTH08C boards is faulty.</li> </ul>
<ul style="list-style-type: none"> <li>Although the film characters and border are outputted normally, the image itself is not generated properly, with the same data appearing continuously in the vertical direction.</li> </ul> 		<p>&lt;Check and Reference&gt;</p> <ul style="list-style-type: none"> <li>Reset the machine, or power OFF the machine and then back ON again, to perform self-diagnostics during machine initialization. If the results of the self-diagnostics indicate an error, replace the relevant board.</li> </ul>

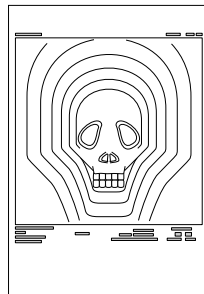
FR7H1864.EPS

No.207	Improper film characters (2)	<p>&lt;Probable Cause&gt;</p> <ul style="list-style-type: none"> <li>The CPU90E board and/or MTH08C board is faulty.</li> </ul>
<ul style="list-style-type: none"> <li>Although the film characters, border, and image are outputted normally, only a portion of film characters consisting of Japanese text is disturbed.</li> </ul> 		<p>&lt;Check and Reference&gt;</p> <ul style="list-style-type: none"> <li>Reset the machine, or power OFF the machine and then back ON again, to perform self-diagnostics during machine initialization. If the results of the self-diagnostics indicate an error, replace the relevant board.</li> </ul>

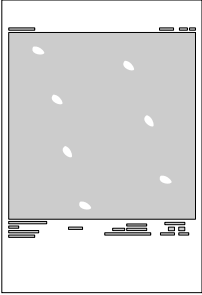
FR7H1866.EPS

No.206	Improper film characters (1)	<p>&lt;Probable Causes&gt;</p> <ul style="list-style-type: none"> <li>The Kanji ROM on the CPU90E board and/or the font file is corrupted.</li> <li>The memory on the IMG08M board is faulty.</li> </ul>
<ul style="list-style-type: none"> <li>Although the image and border are outputted normally, the film characters are not generated properly.</li> </ul> 		<p>&lt;Check and Reference&gt;</p> <ul style="list-style-type: none"> <li>Reset the machine, or power OFF the machine and then back ON again, to perform self-diagnostics during machine initialization. If the results of the self-diagnostics indicate an error, replace the relevant board.</li> </ul>

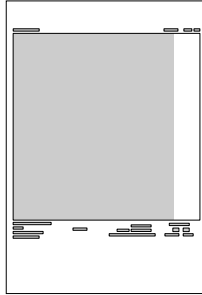
FR7H1865.EPS

No.208	Halos	<p>&lt;Probable Cause&gt;</p> <ul style="list-style-type: none"> <li>Any of the SCN08D/SCR08D, IMG07B, IMG08M, IMG08H, and MTH08C board is faulty or image signal cable on the board is faulty.</li> </ul>
<ul style="list-style-type: none"> <li>Multiple halos are developed outside the proper contour of the image.</li> </ul> 		<p>&lt;Check and Reference&gt;</p> <ul style="list-style-type: none"> <li>Reset the machine, or power OFF the machine and then back ON again, to perform self-diagnostics during machine initialization. If the results of the self-diagnostics indicate an error, replace the relevant board and cable.</li> </ul>

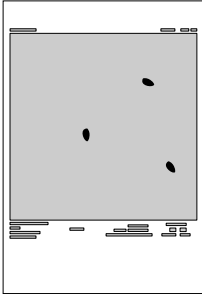
FR7H1867.EPS

No.301	White spots or speckles	<p>&lt;Probable Causes&gt;</p> <ul style="list-style-type: none"> <li>• Electromagnetic noise emitted from the motor, etc. may be introduced into the image signal.</li> <li>• Electrostatic or optical noise coming from the IP, etc.</li> <li>• Dot defects in the IP.</li> </ul> <p>&lt;Check and Reference&gt;</p> <ul style="list-style-type: none"> <li>• Use the virtual image generation mode to isolate the cause.</li> <li>⇒ "10.2 Making Analyses in the Virtual Image Generation Mode"</li> </ul>
<ul style="list-style-type: none"> <li>• One pixel or several pixels in one line have a markedly lower density, so white spots or speckles are developed.</li> <li>• Regular patterns of such white spots or speckles frequently appear.</li> </ul> 		

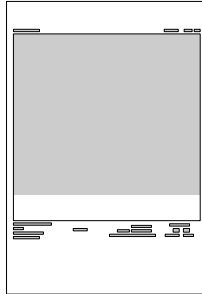
FR7H1868.EPS

No.304	Improper format (1)	<p>&lt;Probable Causes&gt;</p> <ul style="list-style-type: none"> <li>• The position of the scanning optics unit is improper (in the main-scan direction).</li> <li>• The side-positioning operation is improper.</li> <li>• The irradiation field is improper.</li> <li>• The parameter for adjusting the main-scan format is improper.</li> </ul> <p>&lt;Check and Reference&gt;</p>
<ul style="list-style-type: none"> <li>• The right or left edge of the image is missing.</li> </ul> 		

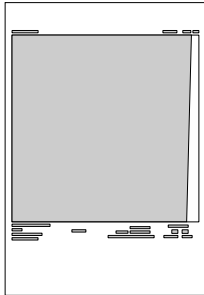
FR7H1870.EPS

No.302	Black spots or speckles	<p>&lt;Probable Cause&gt;</p> <ul style="list-style-type: none"> <li>• An IP that has been stored unused outside the machine for a long period of time (one week or longer) might have been used without secondary erasure.</li> </ul> <p>&lt;Check and Reference&gt;</p>
<ul style="list-style-type: none"> <li>• Black spots or speckles are developed randomly over the entire image. The black spots come in various sizes, such as those extending over several vertical lines, or as small as one line.</li> </ul> 		

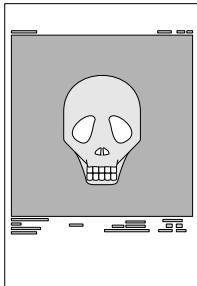
FR7H1869.EPS

No.305	Improper format (2)	<p>&lt;Probable Causes&gt;</p> <ul style="list-style-type: none"> <li>• The IP feed by FFM (MZ1) is improper when the IP is fed into the subscanning unit.</li> <li>• The IP leading-edge sensor (SZ1) is faulty.</li> <li>• The rpm of the FFM (MZ1) is improper.</li> <li>• The irradiation field is improper.</li> </ul> <p>&lt;Check and Reference&gt;</p>
<ul style="list-style-type: none"> <li>• The bottom or top edge of the image is missing.</li> </ul> 		

FR7H1871.EPS

No.306	Format slanting	<p>&lt;Probable Causes&gt;</p> <ul style="list-style-type: none"><li>• The side-positioning operation is improper.</li><li>• The side-positioning location is improper.</li><li>• The subscanning unit and side-positioning unit are misaligned.</li><li>• The subscanning grip is unbalanced.</li><li>• The side-positioning conveyance grip is unbalanced.</li></ul> <p>&lt;Check and Reference&gt;</p>
<ul style="list-style-type: none"><li>• The right or left edge of the image is aslant.</li></ul> 		

FR7H1872.EPS

No.209	Decreased image contrast	<p>&lt;Probable Causes&gt;</p> <ul style="list-style-type: none"><li>• In the dual-surface light gathering to image signal systems, the hardware for one surface is faulty. The photomultiplier, photomultiplier board, high-voltage board, scanner control board, cables connected to them, or the power supplies to them may be abnormal.</li><li>• The EDR software is faulty.</li></ul> <p>&lt;Check and Reference&gt;</p>
<ul style="list-style-type: none"><li>• The contrast (density difference) between the bone and soft part images is too low.</li><li>• The S value is extremely smaller or greater than the normal one. (It could happen to be the same as the normal one.)</li></ul> <p>( Even when the image contrast is low, the L value is clipped at a predetermined level. Therefore, it is not always decreased to an unduly low level. )</p> 		

FR7H1824.EPS